CD RECEIVER

KDC-74D

SERVICE MANUAL

KENWOOD

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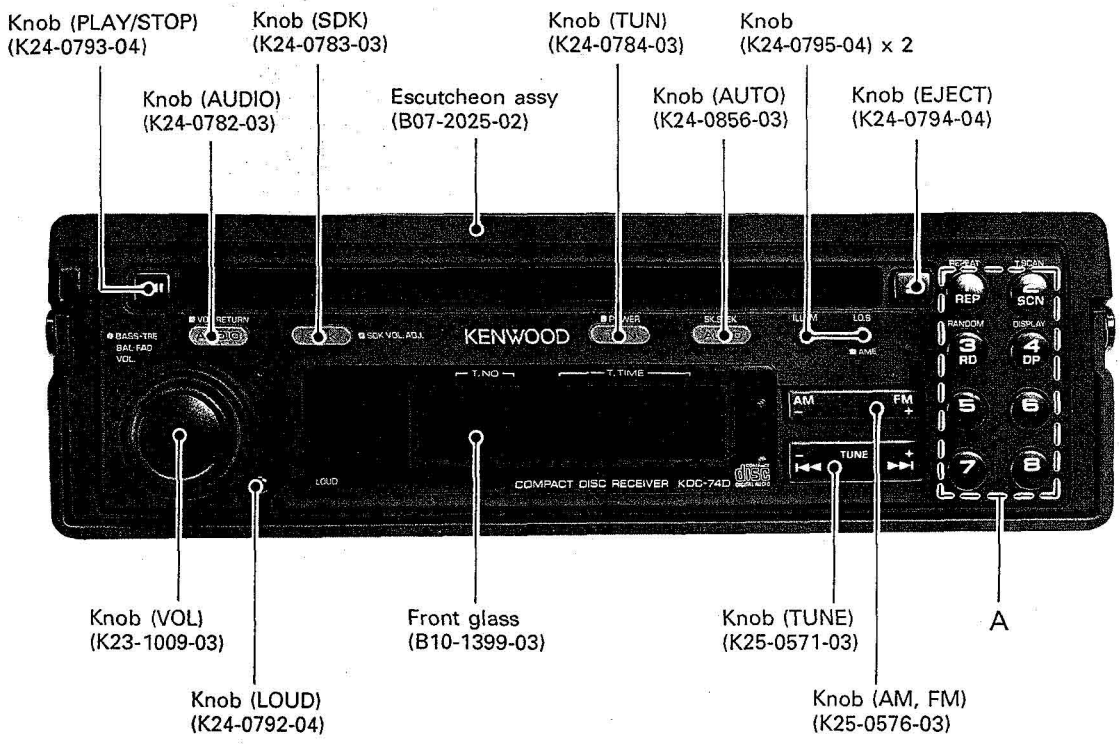
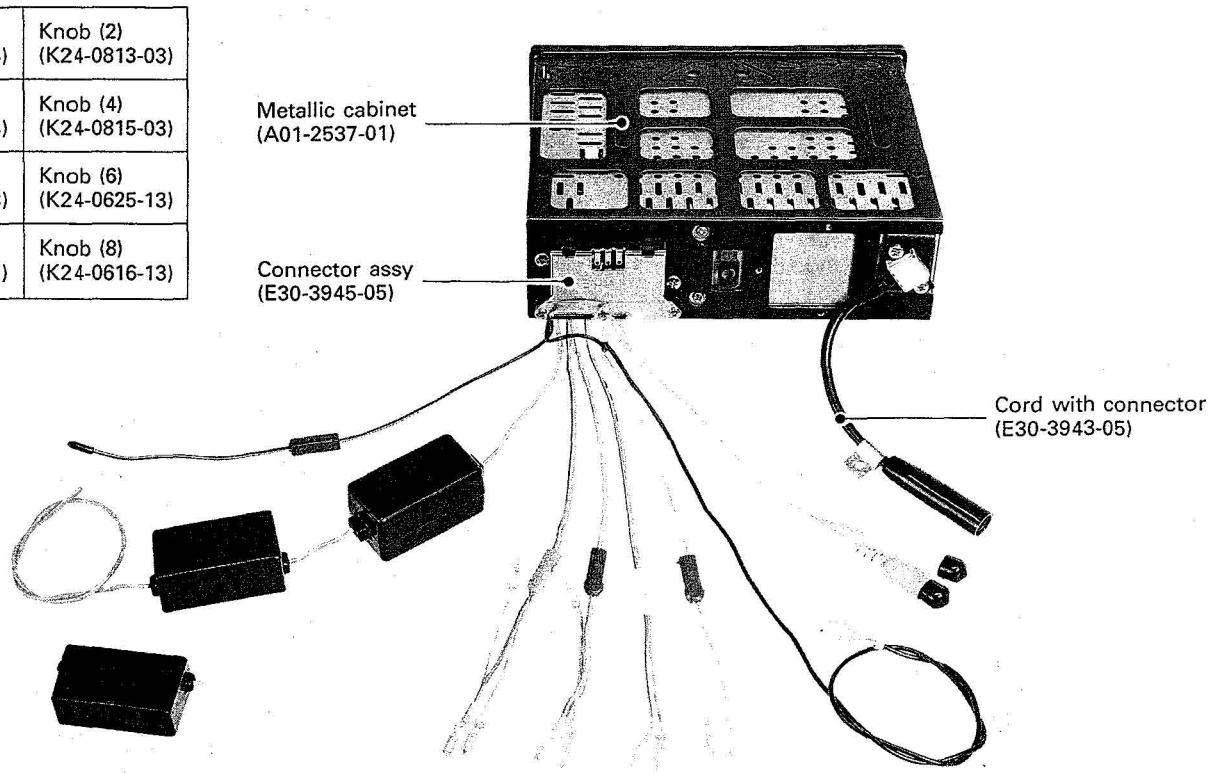
B51-6274-00 (O) 1535



A

Knob (1) (K24-0812-03)	Knob (2) (K24-0813-03)
Knob (3) (K24-0814-03)	Knob (4) (K24-0815-03)
Knob (5) (K24-0829-03)	Knob (6) (K24-0625-13)
Knob (7) (K24-0626-13)	Knob (8) (K24-0616-13)



KDC-74D

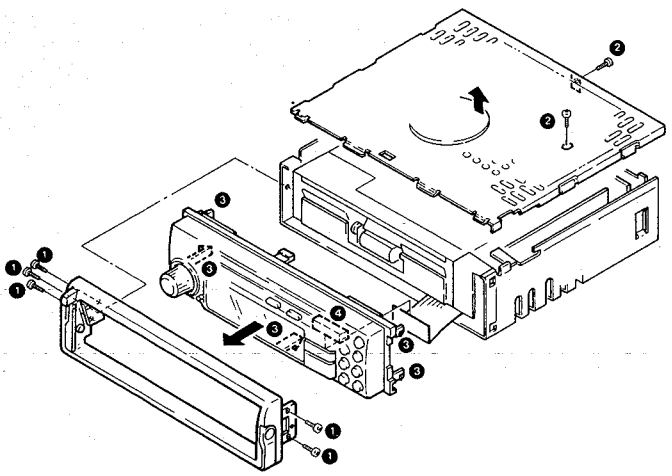
CONTENTS/DISASSEMBLY FOR REPAIR

Contents

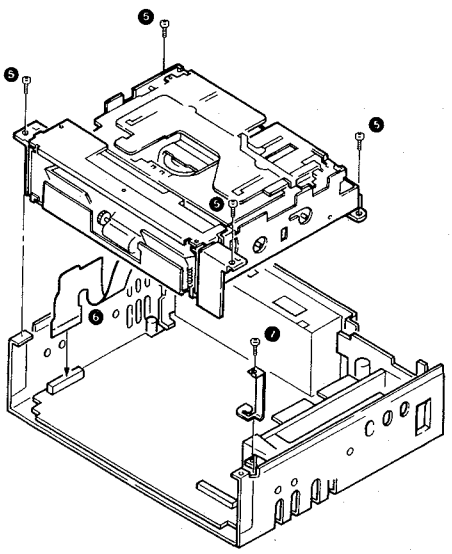
DISASSEMBLY FOR REPAIR 2
BLOCK DIAGRAM 3
CIRCUIT DESCRIPTION 4
MECHANISM OPERATION DESCRIPTION 6
1. Loading 7
2. Ejection 10
3. Mechanism operation timing 13
ADJUSTMENT 16
PC BOARD 19
SCHEMATIC DIAGRAM 27
EXPLODED VIEW (MECHANISM) 38
EXPLODED VIEW (UNIT) 40
PARTS LIST 41
SPECIFICATIONS ..... BACK COVER

Disassembly for Repair

1. Remove the 5 screws (❶) and take out the escutcheon.
2. Remove the 2 screws (❷) and take off the top cover.
3. Disengage the 6 claws (❸) and dismantle the front panel.
4. Disconnect the connector (❹).

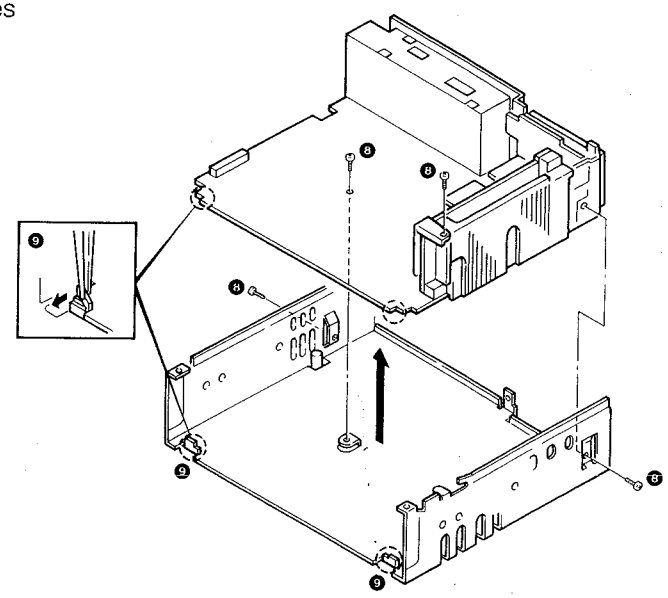


5. Remove the 4 screws (❺) and take out the mechanism assembly.
6. Disconnect the connector (❻).
7. Remove the 1 screw (❼) and take out the lever.

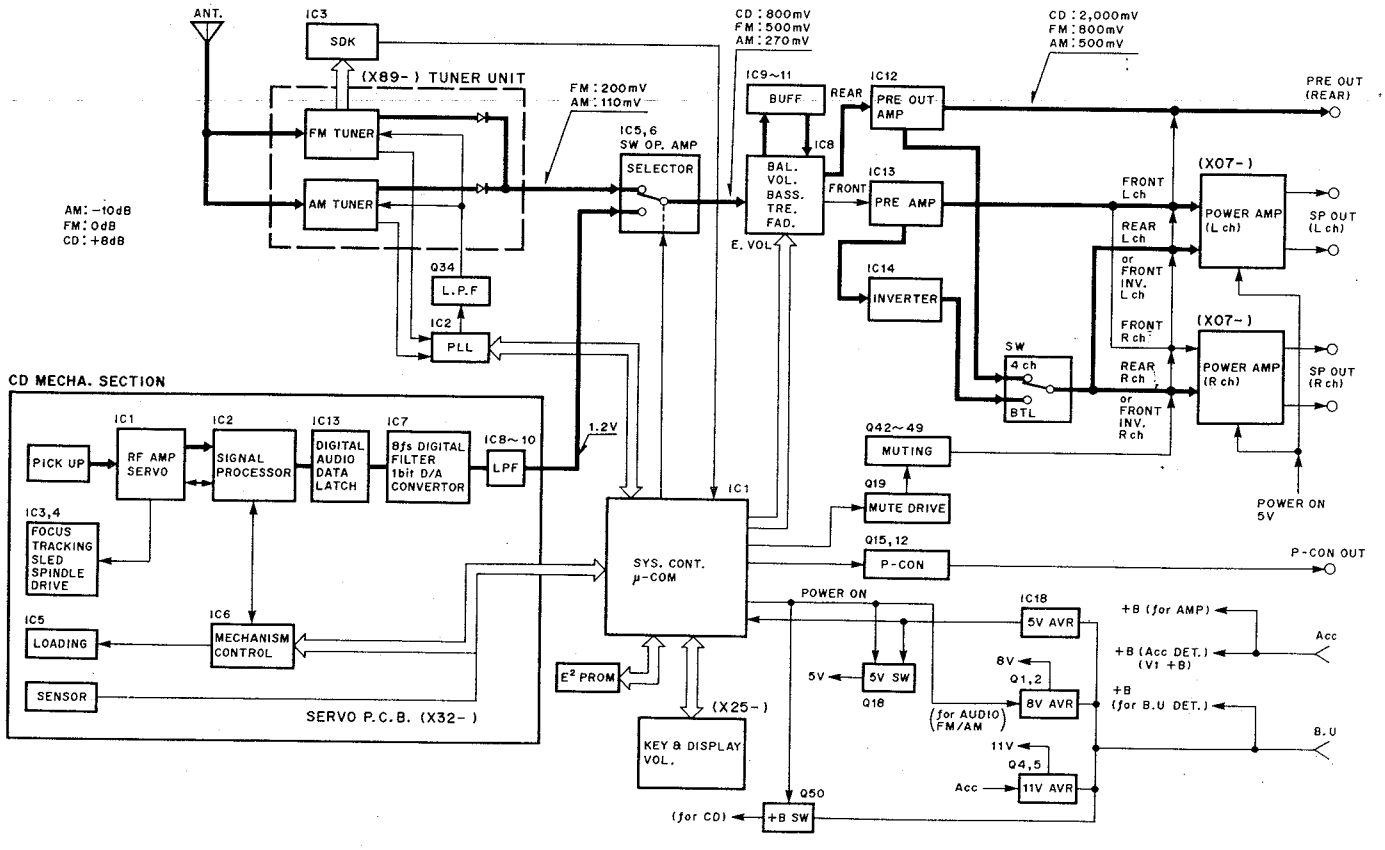


DISASSEMBLY FOR REPAIR/BLOCK DIAGRAM

8. Remove the 4 screws (❽) and extend the tongues (❾), and take out the PC board.



Block Diagram



CIRCUIT DESCRIPTION

Description of Components

ELECTRIC UNIT (X25-4372-71)

Ref. No.	Use/Function
IC1	Microprocessor
IC2	PLL IC
IC3	SDK IC
IC4	Buffer amplifier, filter
IC5,6	CD/Tuner selector
IC7	1/2 Vcc
IC8	Electronic VOL, BAL, FAD, BASS, TRE
IC9~11	Buffer
IC12	Pre-out amplifier
IC13	Pre amplifier
IC14	Inverter
IC15	Reset IC
IC16	Memory IC
IC17	AVR driver
IC18	5V AVR
Q1	7.8V AVR
Q2	Q1 switch
Q4,5	10.5V AVR

Ref. No.	Use/Function
Q6,8	ILLUM +B (AMB)
Q7,9	ILLUM +B (GRN)
Q10	ACC detector
Q11	B-Up detector
Q12	P-Con out
Q13,14	Protection
Q15	P-CON ON/OFF switch
Q17	Amp STBY ON/OFF
Q18	P-Con 5V switch
Q19,20	Mute driver
Q21	Key reset
Q22	Q20,21 drive
Q23	Q18 drive
Q24	B-Up switch
Q25,26	Inv. buffer (VOL)
Q27	CD/Tuner select
Q31	AM +B switch
Q32	FM +B switch

Ref. No.	Use/Function
Q34	LPF for Vt
Q35	AGC ON/OFF
Q36	FM SD
Q37	FM S-meter detector
Q38	Mute
Q39	AM SD
Q40	FM mute at AM
Q41	SK mute
Q42~49	Mute
Q50	10.5V AVR for SERVO (CD)
Q51	Q2 switch
Q52,53	Buffer
Q54	5V switch
Q55,56	B-Up detector
Q57	Q58 switch
Q58	AVR switch

DAUGHTER UNIT (X89-1222-71)

Ref. No.	Use/Function	Operation/Condition
IC1	FM IF, DET, NC, MPX	
Q1	Local/DX switch	Turns ON when local is selected, and turns ON during seek operation
Q2	IF amplifier	Amplifies the IF signal in FM broadcast.
Q3,4	AM AGC	Turns ON during seek operation.
Q5	CRSC switch	Turns ON when the multipath occurs by the pulse from IC1 to set to monaural mode forcibly.
Q6	Mute	Turns ON during reception
Q7	AFC switch	Switches the time constant for the AFC terminal. Turns ON during reception and turns OFF during seek operation.

Microprocessor : 75112GF-655-3BE (X25-4372-71 IC1)

- **Terminal function**

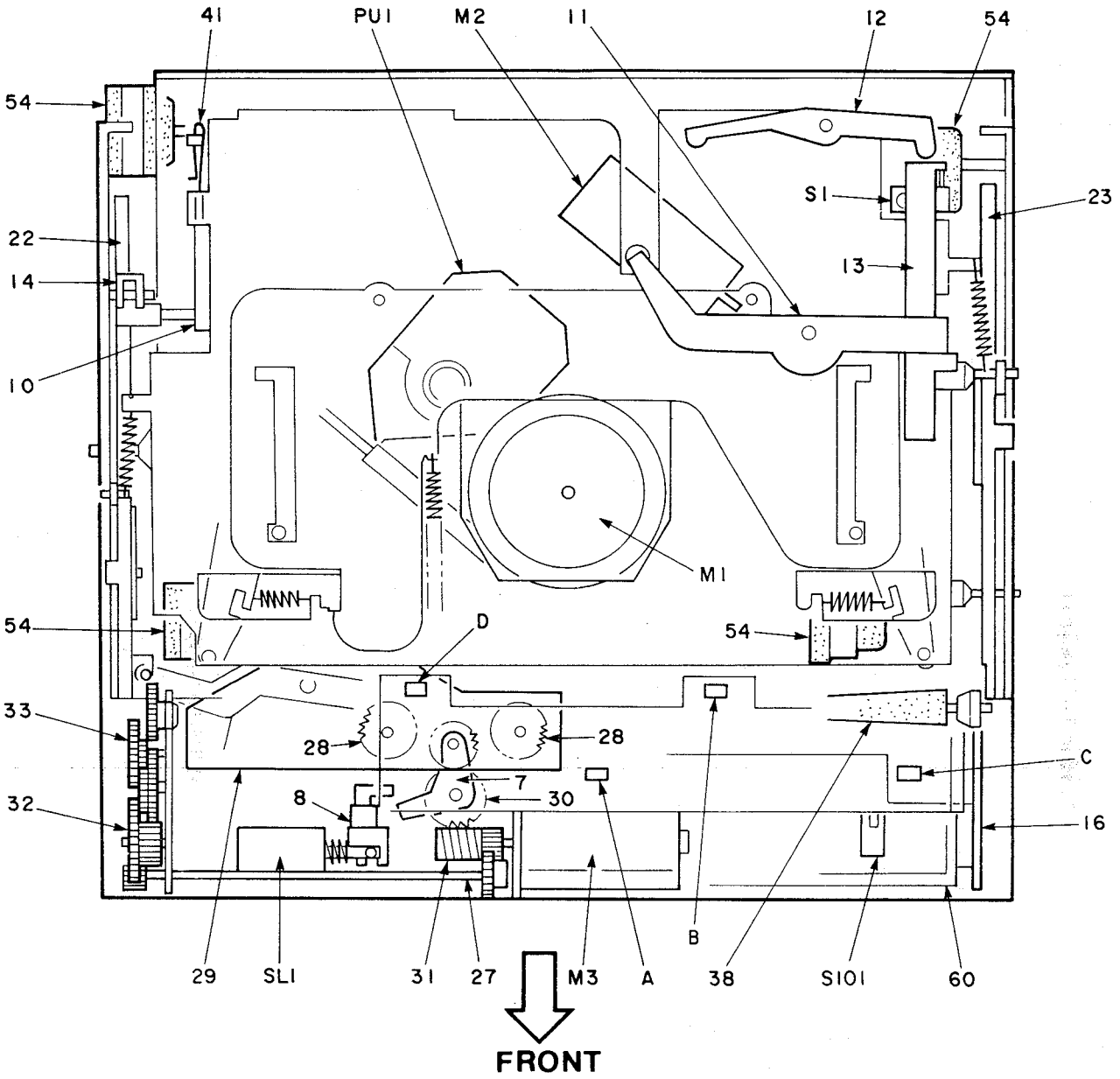
Pin	Port	Symbol	I/O	xVDD		Function
				"H"	"L"	
1	P41	DATA P/L	O			PLL/LCD DATA
2	P40	CE P	O			PLL CE
3	P53	SK	I	0.7	0.3	SK in "H" : ARI
4	P52	DK	I	0.7	0.3	DK in "H" : ARI on air
5	P51	$\overline{ST}$	I	0.7	0.3	STEREO in "L" : STEREO on air
6	P50	$\overline{SD}$	I	0.7	0.3	SD in "L" : STATION DET.
7	$\overline{RESET}$					"L" → "H" : Reset
8,9	X2,X1					System clock 4.194304MHz
10	P63	LOCAL	O			Local control "H" : SEEK
11	P62	AGC-CUT	O			AGC-CUT (AM)
12,13	P61,P60		I			Not used
14	P73	$\overline{CD}$/R	O			Audio selector "L" : CD, "H" : RADIO
15	P72	P-CON OUT	O			"H" : P-CON ON
16	P71	$\overline{MUTE}$	O			"L" : MUTE ON

CIRCUIT DESCRIPTION

Pin	Port	Symbol	I/O	xVDD "H"	xVDD "L"	Function
17	P70	DATA E	O			For ELECT. VOL DATA
18	P83	CLK E	O			For ELECT. VOL CLOCK
19	P82	STB E	O			For ELECT. VOL CE
20	P81	POWER	O			"H" : POWER ON
21	P80	GRN	O			"H" : Green illumination
22	P93	AMB	O			"H" : Amber illumination
23	P92	CE E2	O			For EEPROM CE → CS
24	P91	CLK E2	O			For EEPROM CLOCK → SK
25	P90	DO E2	O			For EEPROM DATA → DI
26	Vss					GND
27	P13/INT3	DI E2	I	0.8	0.2	EEPROM DATA IN ← DO
28	P12/INT2		I			Not used
29	P11/INT1	$\overline{\text{ACC IN}}$	I	0.8	0.2	"L" : ACC ON
30	P10/INT0	$\overline{\text{BU IN}}$	I	0.8	0.2	"L" : BU ON
31	PTH03		I			Not used
32	PTH02	PHOTO3	I	0.5	0.5	CD mechanism C sensor input
33	PTH01	PHOTO2	I	0.5	0.5	CD mechanism B sensor input
34	PTH00	PHOTO1	I	0.5	0.5	CD mechanism A sensor input
35	TI0	DOWN-SW	I	0.8	0.2	CD mechanism DOWN switch input
36	TI1	END-SW	I	0.8	0.2	CD mechanism END switch input
37	P23	M-STOP	O			"L" : Mechanism microprocessor stop
38	P22/PCL	TEST-POINT	O			Clock adjustment point ALL OFF : 524.288kHz
39	P21/PT01	M-RST	O			"L" : Mechanism microprocessor reset
40	P20/PT00	$\overline{\text{CS}}$	O			Communication request for mechanism microprocessor
41	P03/SI	DI	I			From mechanism microprocessor DATA
42	P02/SO	DO	O			For mechanism microprocessor DATA
43	P01/$\overline{\text{SCK}}$	CLK	O			For mechanism microprocessor CLOCK
44	P00/INT4	$\overline{\text{SRQ}}$	I			Communication request from mechanism microprocessor
45	P123	RST-SW	I	0.7	0.3	Reset switch input "H" : Memory clear
46	P122	$\overline{\text{PWR-SW}}$	I	0.7	0.3	Power/Tuner switch input
47	P121	$\overline{\text{EJT-SW}}$	I	0.7	0.3	Eject switch input
48	P120	$\overline{\text{KR5}}$	I	0.7	0.3	Key return
49	P133	$\overline{\text{KR4}}$	I	0.7	0.3	Active "L"
50	P132	$\overline{\text{KR3}}$	I	0.7	0.3	
51	P131	$\overline{\text{KR2}}$	I	0.7	0.3	
52	P130	$\overline{\text{KR1}}$	I	0.7	0.3	
53	P143	$\overline{\text{KS4}}$				Key scan
54	P142	$\overline{\text{KS3}}$				Active "L"
55	P141	$\overline{\text{KS2}}$				
56	P140	$\overline{\text{KS1}}$				
57	NC					
58	VDD					Positive power input
59	P33	$\overline{\text{AMP CONT}}$	O			Power control output
60	P32	ENC-DOWN	I	0.7	0.3	Volume down
61	P31	ENC-UP	I	0.7	0.3	Volume up
62	P30	CE L	O			For LCD driver CE
63	P43	$\overline{\text{INH L}}$	O			For LCD driver INHIBIT
64	P42	CLK P/L	O			For LCD driver CLOCK

	KS1	KS2	KS3	KS4
KR1	⑦	⑤	③	①
KR2	⑧	⑥	④	②
KR3	⏮	◁◁	AUTO	LO.S
KR4	⏭	▷▷	ILLUMI	CLK/SDK/VALET
KR5	LOUD	▷II	AUDIO	

MECHANISM OPERATION DESCRIPTION

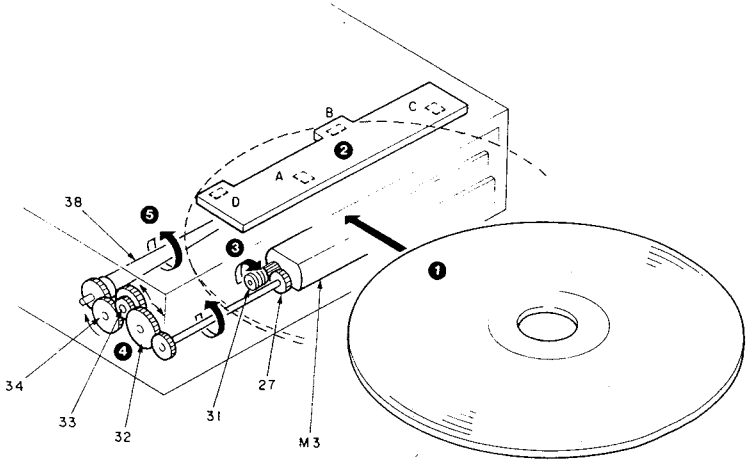


Note : Figures in the bracket ( ) in the operation description or accompanied with the part name in the diagram show the reference numbers in the Exploded View.

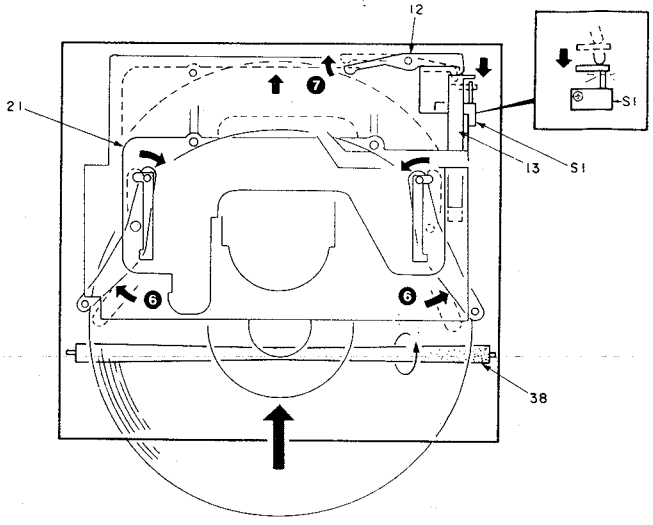
MECHANISM OPERATION DESCRIPTION

1. Loading

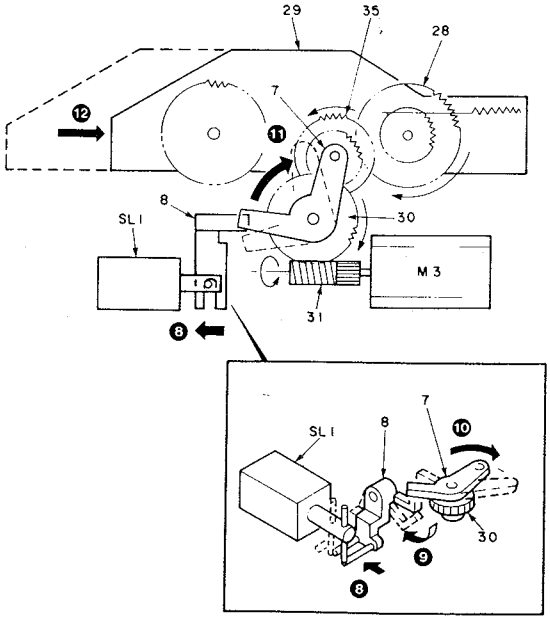
1. Insert a CD with the label side up.
2. Photosensors A, B and C detect the CD.
3. The loading motor (M3) starts rotation.
4. The rotation is transmitted via the worm gear (31), rear ass'y (27) then gears 1 to 3 (32, 33, 34).
5. The rubber roller (38) rotates, pulling the CD inside.



6. The CD pushes the slide plate (21).
7. The slide plate (21) pushes the SW arm (12) then the end SW (S1).

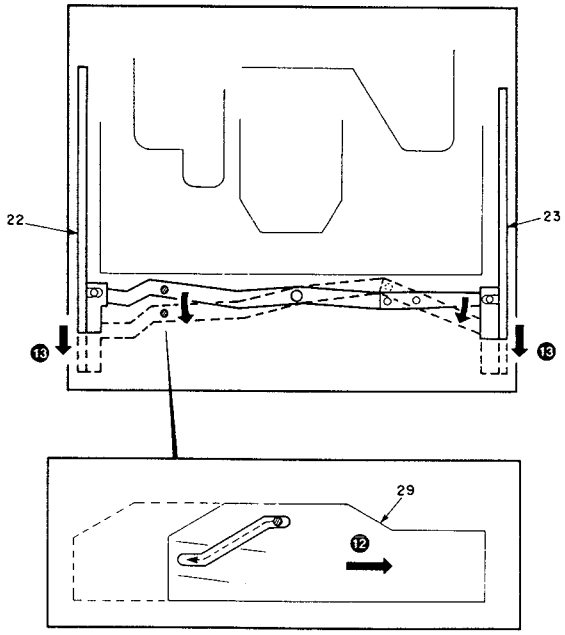


8. Next, the microcomputer pulls the plunger (SL1) in.
9. The plunger (SL1) causes the trigger lever (8) to rotate.
10. The trigger lever (8) unlocks the friction arm (7).
11. The friction arm (7) causes, by means of the worm wheel gear (30), the friction gear (35) to be meshed with the rack gear (29) via a gear (28).
12. The rack gear (29) moves toward the right.

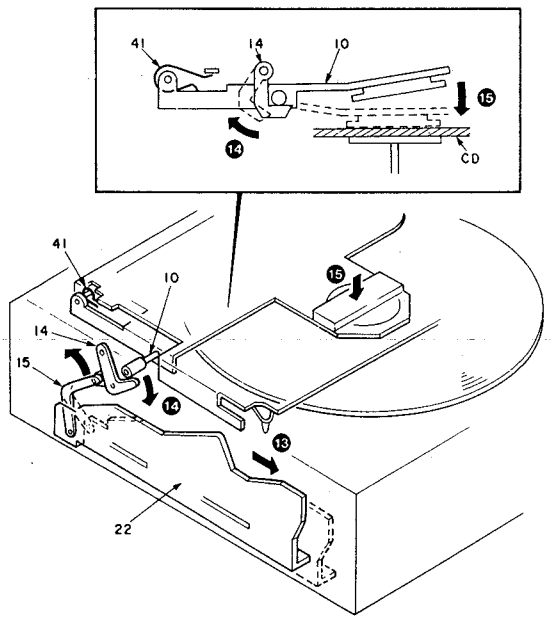


MECHANISM OPERATION DESCRIPTION

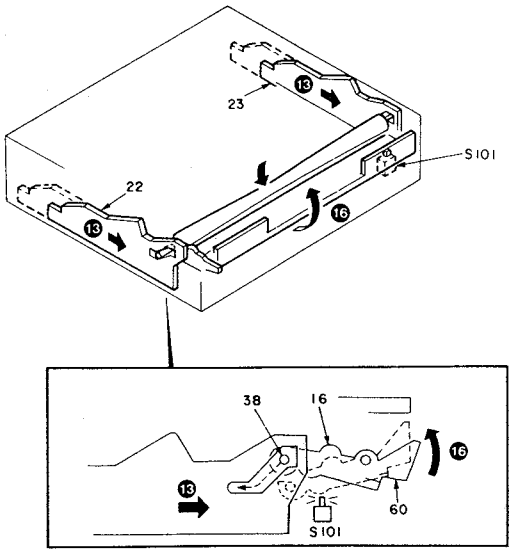
13. The lever of the chassis ass'y is moved by the groove on the rack gear (29), and the cam plates (22, 23) are moved forward.



14. The cam plates (22, 23) pulls levers 1 and 2 (15, 14), unlocking the clamp lever (10).
15. The clamp lever (10) chucks the CD onto the turntable (5) by means of the clamper SP (41).

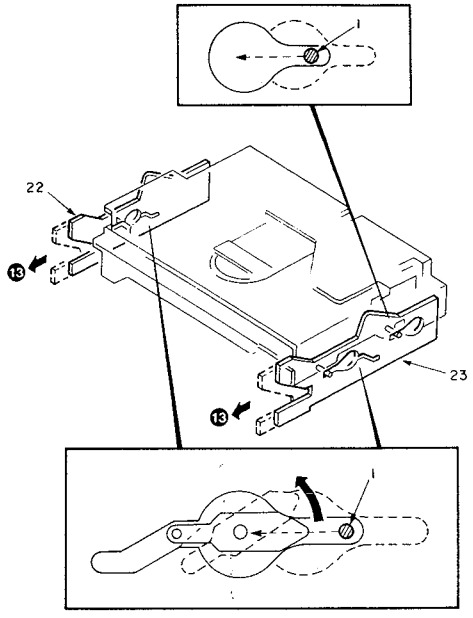


16. The rubber roller (38) is moved down by the grooves on the cam plates (22, 23), and the lever (16) pushes the down SW (S101) to stop the loading motor. The door (60) moves up.

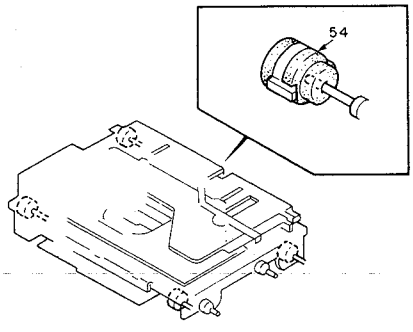


MECHANISM OPERATION DESCRIPTION

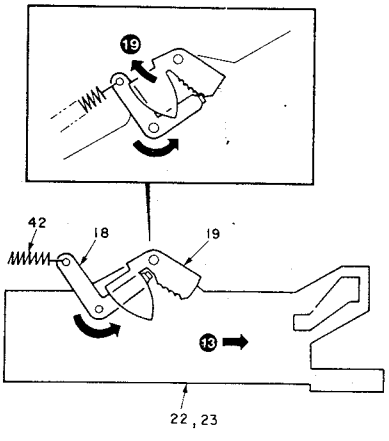
17. The cam plates (22, 23) unclamp the pickup chassis (1).



18. The pickup chassis (1) is separated from the chassis by the damper (54).

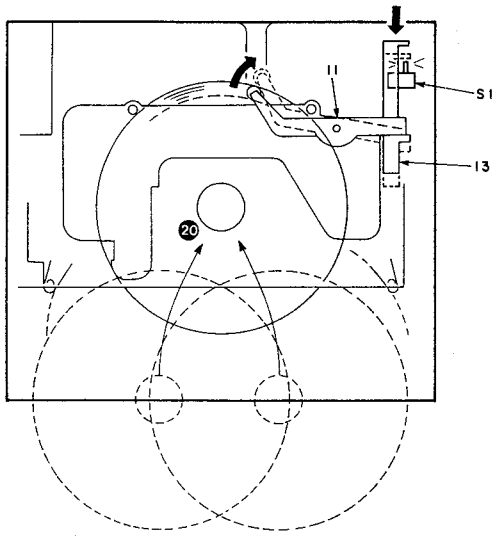


19. The sawtooth plate (19) and levers (18, 20) compensate for the eccentricity of the damper (54) due to the attaching angle.

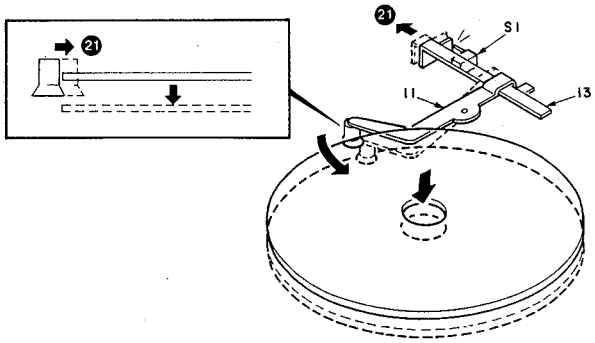


MECHANISM OPERATION DESCRIPTION

20. With an 8 cm CD, it is guided to the center position while the slide plate (21) is not moved. Then, the end SW (S1) is pushed by the levers (11, 13) and the chucking operation starts.

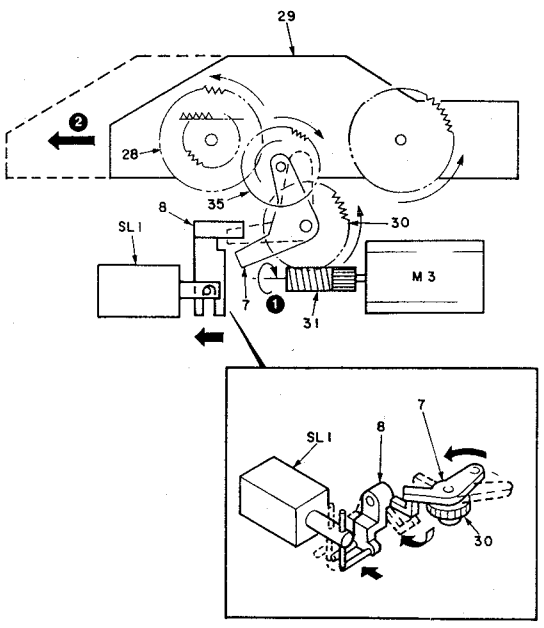


21. At the end of chucking operation, the lever (11) is separated from the 8 cm CD, and the end SW (S1) is released. This results in the detection of 8 cm CD.



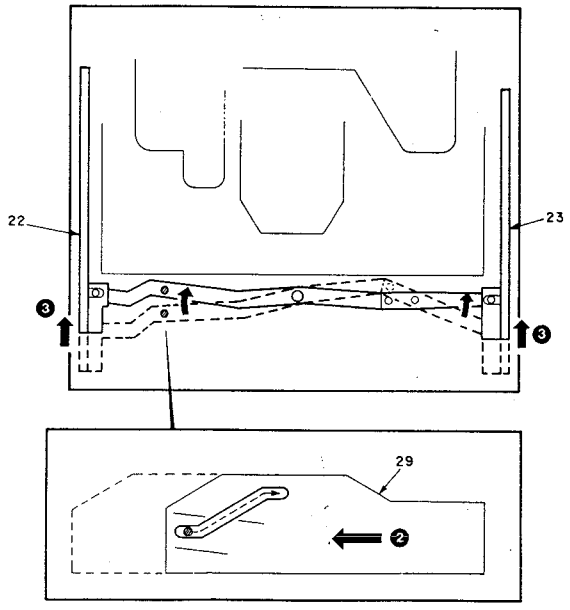
2. Ejection

1. When the Eject SW is pressed, the loading motor starts inverse rotation. At the same time, the plunger (SL1) is pulled and the trigger lever (8) is rotated to unlock the friction arm (7).
2. The worm wheel gear (30) rotates inversely to rotate the gear (28) on the eject side. This causes the rack gear (29) to be moved toward the left.

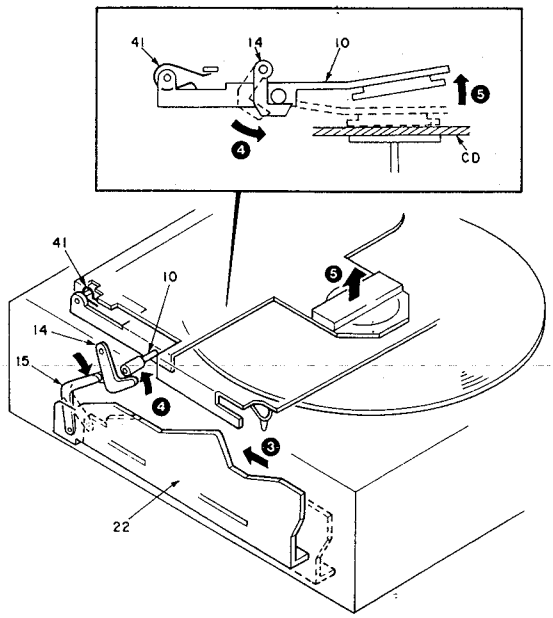


MECHANISM OPERATION DESCRIPTION

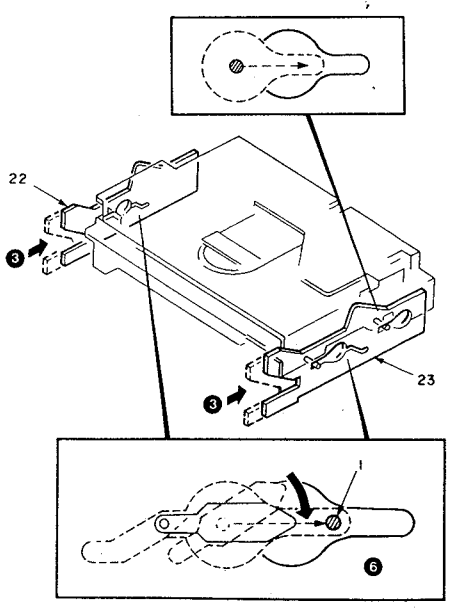
3. Cam plates L and R (22, 23) are moved by the grooves of the rack gear (29).



4. Due to the movement of cam plates L and R (22, 23), the levers (15, 14) are moved.
5. The levers (15, 14) push the clamp lever (10) upward.

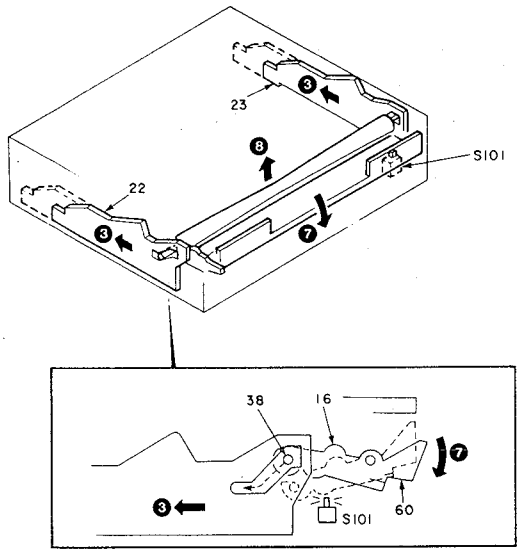


6. The pickup chassis (1) is fixed by the grooves on the cam plates (22, 23).

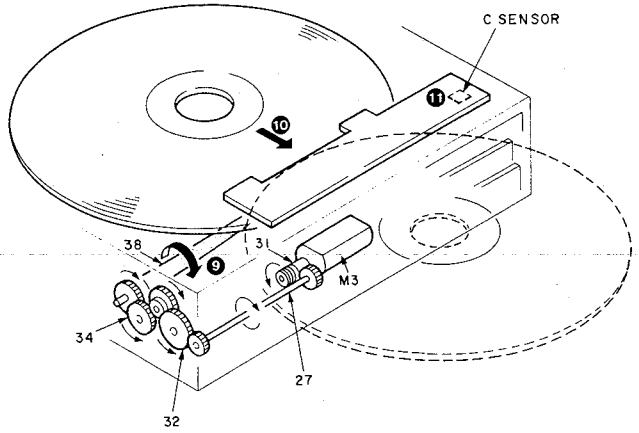


MECHANISM OPERATION DESCRIPTION

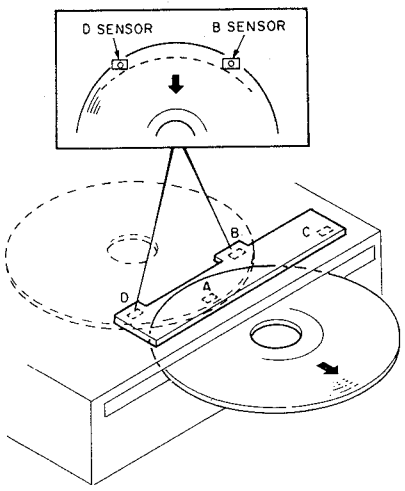
7. On the front side, the lever (16) rotates to push the door (60) downward.
8. This moves the roller (38) upward.



9. Due to the inverse rotation of the loading motor (M3), the roller (38) rotates in the ejecting direction.
10. The CD is ejected.
11. When the C sensor (rightmost end) goes OFF, loading motor is stopped.



12. With an 8 cm CD, the loading motor is stopped when the B and D sensors go OFF.



MECHANISM OPERATION DESCRIPTION

3. Mechanism operation timing

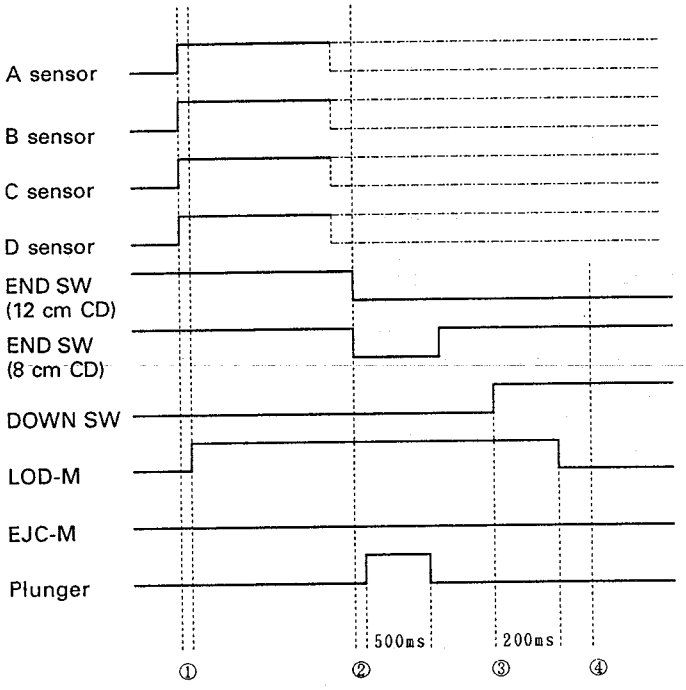
3-1. Loading

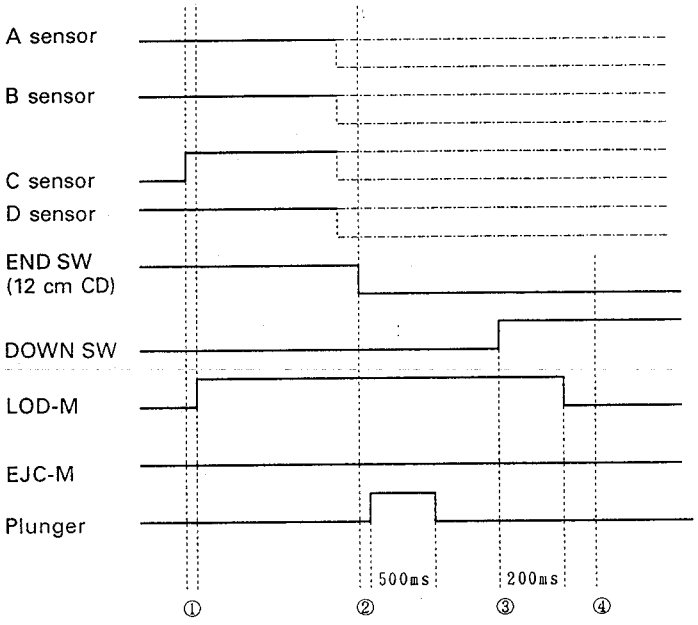
- **Loading from No Disc status**

① When any of the A/B/C/D sensors goes ON, the motor is turned ON in the loading direction.
② When the END switch goes ON, the plunger is turned ON for 500ms.
③ When the DOWN switch is ON for 200ms, the loading motor is turned OFF.
④ IF the END switch is ON, the CD is a 12 cm CD.

- **Loading of 12 cm CD from Ejected status (A, B and D sensors ON)**

① When the C sensor goes ON, the motor is turned ON.
If more than 15 seconds elapse in the eject condition, it will automatically load and stop.
② When the END switch goes ON, the plunger is turned ON for 500ms.
③ When the DOWN switch is ON for 200ms, the loading motor is turned OFF.
④ If the END switch is ON, this means that the CD is a 12 cm CD.





MECHANISM OPERATION DESCRIPTION

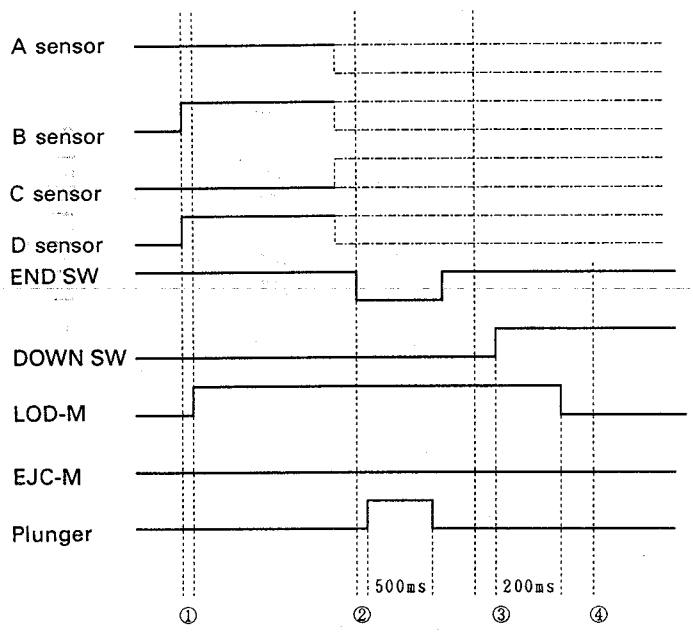
- **Loading of 8 cm CD from Ejected status (A sensor ON)**

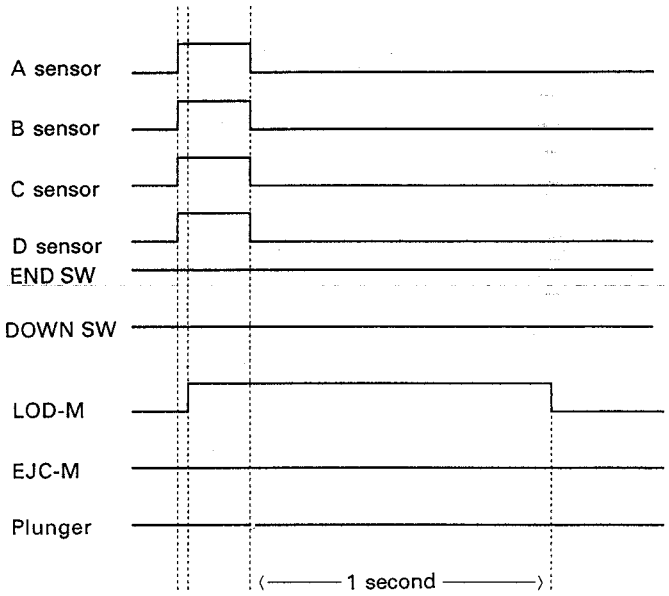
① When the B/D sensors go ON, the motor is turned ON (pushing the CD).
If more than 15 seconds elapse in the ejection condition, it will automatically load and stop.
② When the END switch goes ON, the plunger is turned ON for 500ms.
③ When the DOWN switch is ON for 200ms, the loading motor is turned OFF.
④ IF the END switch is ON, the CD is a 12 cm CD.

- **Timing when disc is removed after the start of loading**

* In case of an 8 cm CD, as there is a position with which all of the sensors go OFF in the course of loading, this ALL OFF condition is masked for one second. If the condition lasts for a longer period, the processing is aborted judging that the disc has been removed.

* In case the loading processing does not complete in 6 seconds after the start of loading, the eject operation starts. If the sensor position remains the same (i.e. only the A sensor is ON) since the start of loading, the processing is aborted judging that the disc is deviated from the roller.





MECHANISM OPERATION DESCRIPTION

3-2. Ejection

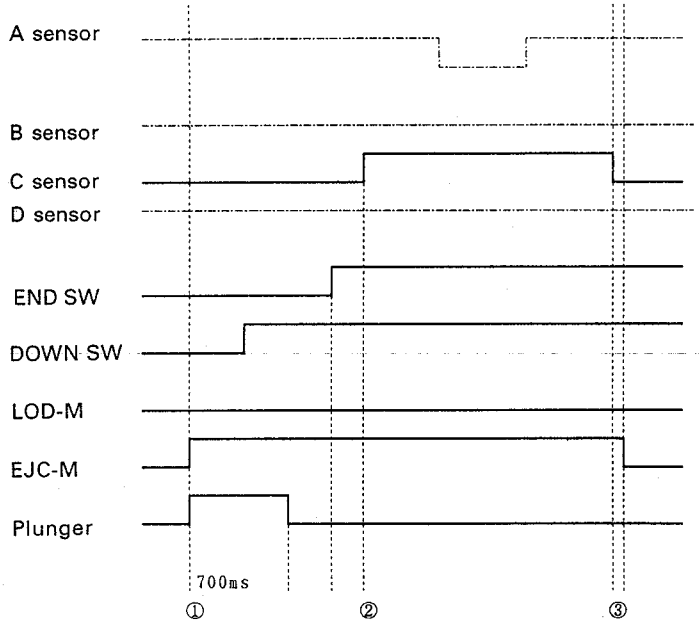
- **Ejection of 12 cm CD from the Chucking Completed status**

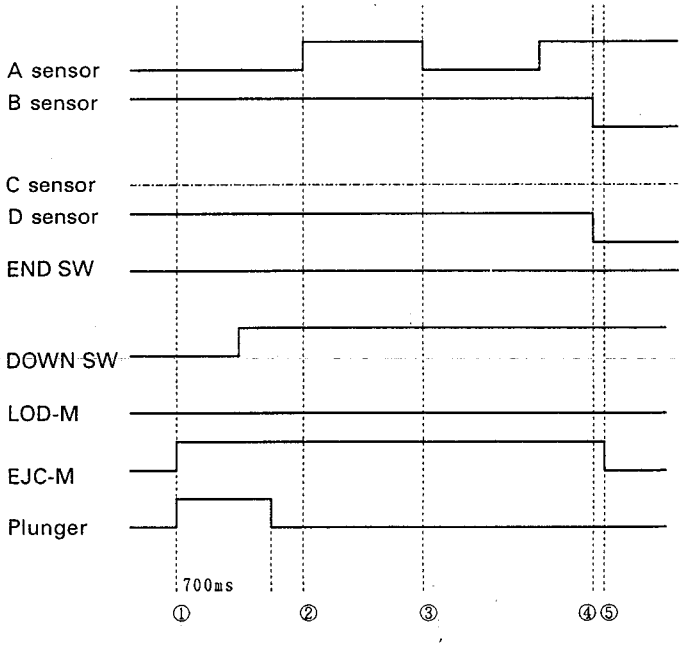
① The eject motor is turned ON.
The plunger is turned ON for 700ms.
② The C sensor goes ON.
The DOWN switch is turned OFF.
③ The END switch is turned OFF.
Ejection completes when the C sensor has gone OFF.

- **Ejection of 8 cm CD from the Chucking Complete status**

① The eject motor is turned ON.
The plunger is turned ON for 700ms.
② The A sensor goes ON.
The DOWN switch is turned OFF.
③ The A sensor goes OFF.
④ The A sensor goes ON.
The END switch is turned OFF.
⑤ Ejection completes when the B and D sensors have gone OFF.
The eject motor is turned OFF.

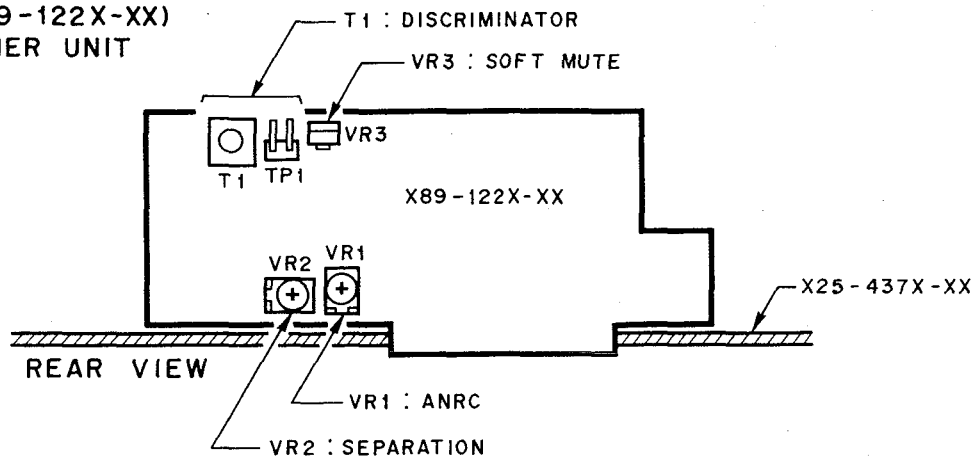
* Eject motor means reverse rotation of loading motor.



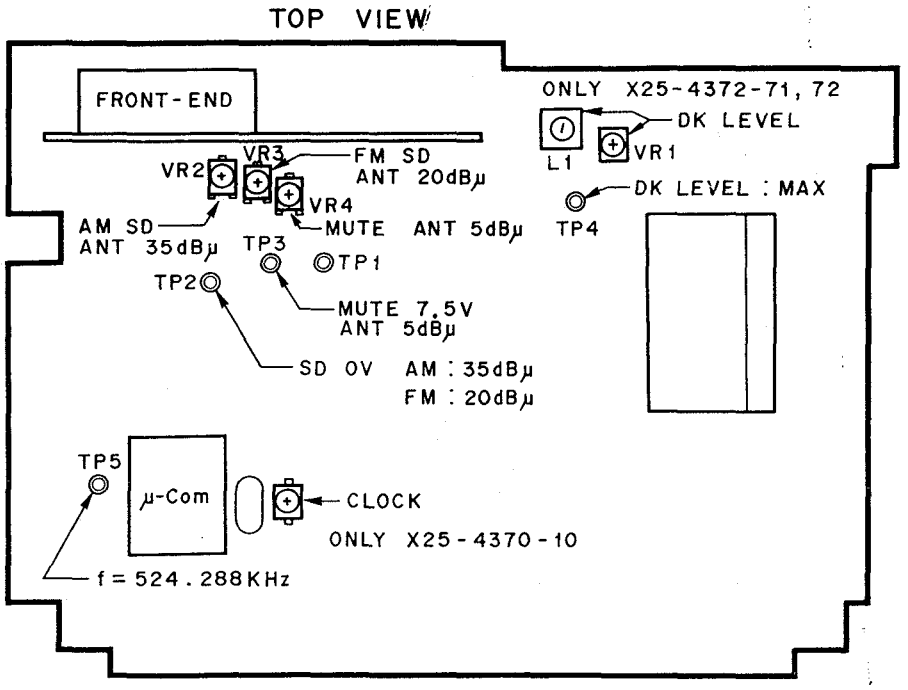


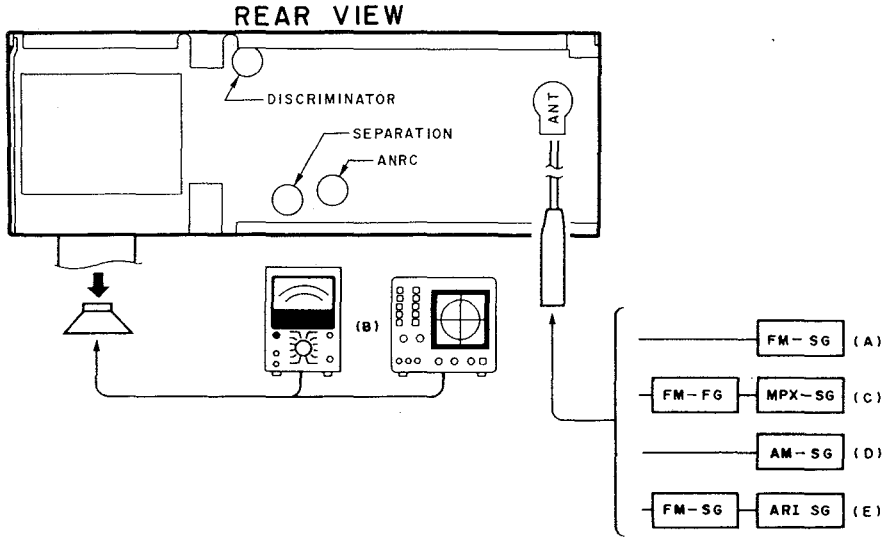
ADJUSTMENT

(X89-122X-XX)
TUNER UNIT



(X25-437X-XX)
MOTHER UNIT





ADJUSTMENT

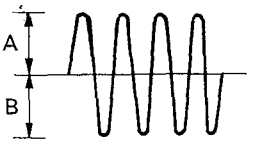
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0 dev 60dBμ(ANT input)	Connect the DC voltmeter between pins of TP1. (X89-122)	FM 98.1MHz	T1 (X89-122)	0V	(a)
2	SEPARATION	(C) 98.1MHz 1kHz, ±40kHz dev Pilot:±6kHz dev Selector:L or R 60dBμ(ANT input)	(B)	FM 98.1MHz	VR2 (X89-122)	Adjust it so that the crosstalk from L to R and R to L become minimum.	(b)
3	ANRC	(C) 98.1MHz 1kHz, ±40kHz dev Pilot:±6kHz dev Selector:L or R 35dBμ(ANT input)	(B)	FM 98.1MHz	VR1 (X89-122)	Separation 10dB	(c)
4	MUTE	(A) 98.1MHz 1kHz, ±40kHz dev 5dBμ(ANT input)	Connect the DC voltmeter to TP3. (X89-122)	FM 98.1MHz	VR4 (X25)	Low→High(Voltage)	(d)
5	SEEK STOP LEVEL	(A) 98.1MHz 1kHz, ±40kHz dev 20dBμ(ANT input)	–	FM SEEK:ON 98.1MHz	VR3 (X25)	STOP	
6	SOFT MUTE LEVEL	(A) 98.1MHz 1kHz, ±40kHz dev 60dBμ→No input	(B)	FM 98.1MHz	VR3 (X89-122)	Output Noise level -25dB (When not add any signal to ANT terminal)	
SDK SECTION							
<7>	DK LEVEL	(E) 98.1MHz 0 mod SK 5.33% DK 30%, BK 60% 60dBμ(ANT input)	Connect the AC voltmeter to TP4. (X25)	FM 98.1MHz SDK:ON	L1 VR1 (X25)	Maximum	(e)
AM SECTION							
(1)	STOP LEVEL	(D) 990kHz 400Hz, 30% mod 35dBμ(ANT input)	–	AM 990kHz	VR2 (X25)	STOP	

KDC-74D

ADJUSTMENT

1. Tracking offset adjustment

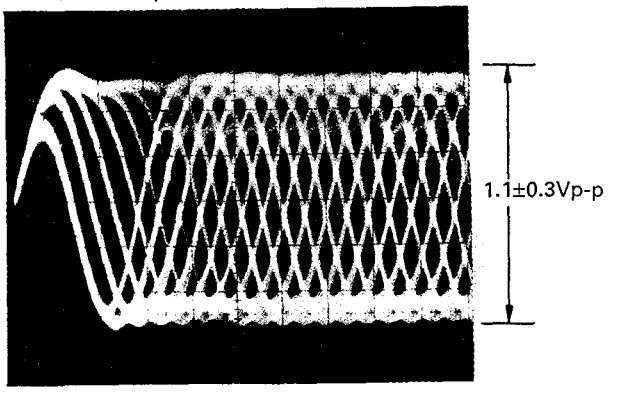
1. Connect a test jumper wire between the test point (TEST2) and (+5V).
2. Connect a test jumper wire between the test point (TOFF) and (Vref).
3. Connect an oscilloscope between the test point (TE) and (Vref).
4. Put the set into play mode by loading the disc.
5. Adjust VR2 so that the oscilloscope reading is symmetrical in relation to 0V.
6. After adjusting, reset 1 and 2 as original.



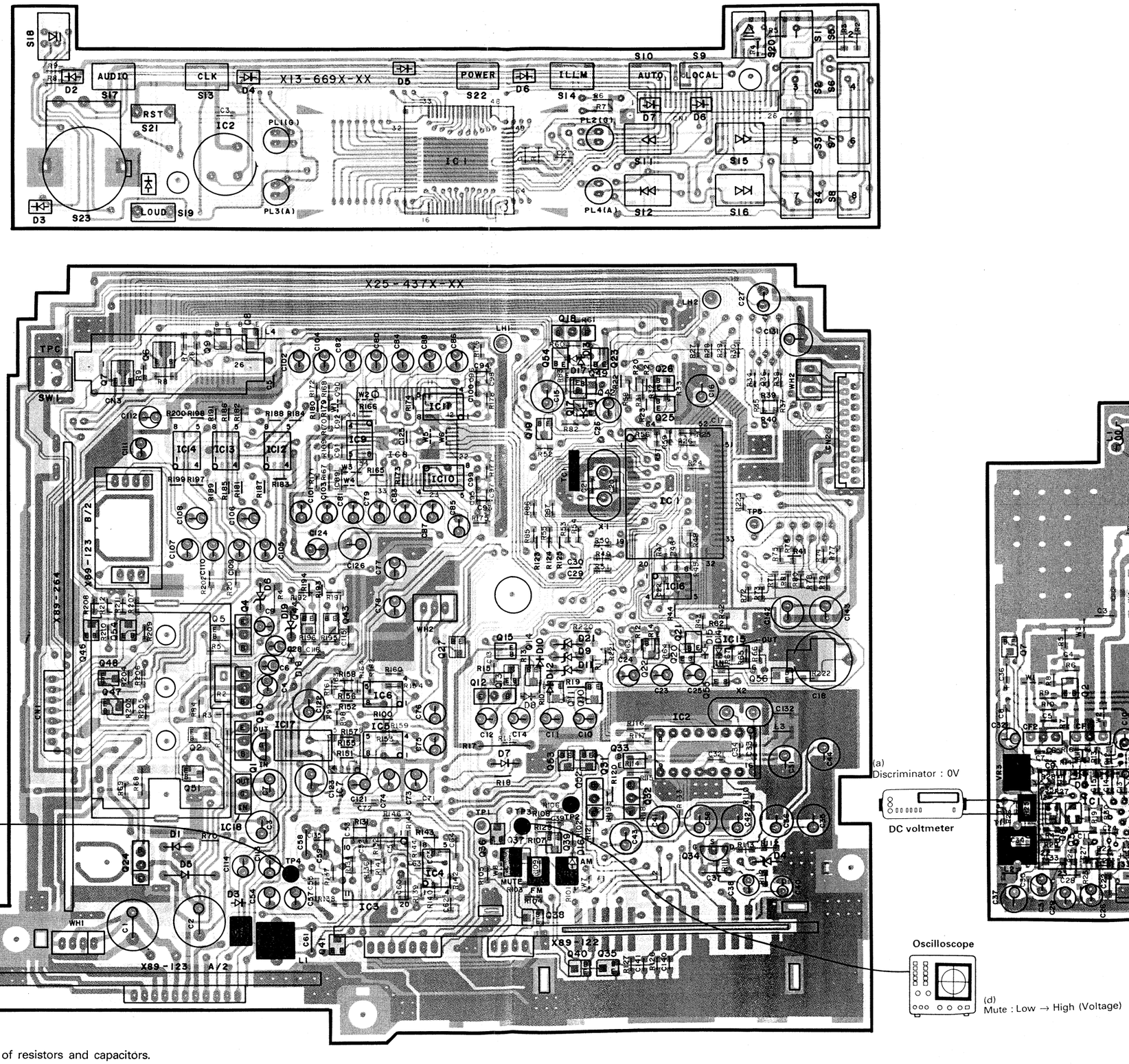
2. Focus offset adjustment

1. Connect an oscilloscope to the test point (RF).
2. Put the set into play mode by loading the disc.
3. Adjust VR1 so that the oscilloscope waveform eye pattern is good.
   A good eye pattern means that the diamond shape (◊) in the center of the oscilloscope can be clearly distinguished.

Volt/Div : 200mV
Timer/Div : 0.5µsec.

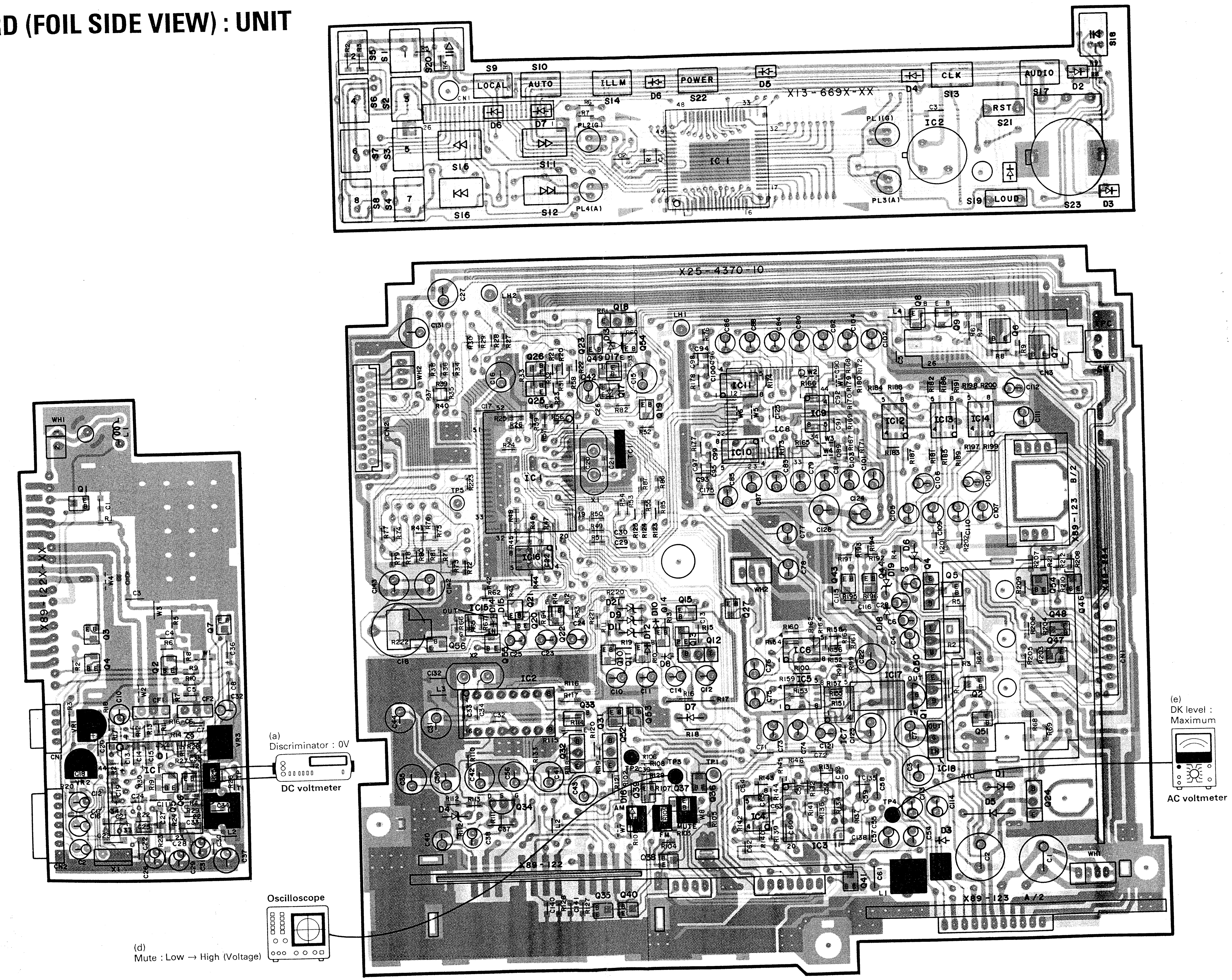


PC BOARD (COMPONENT SIDE VIEW) : UNIT



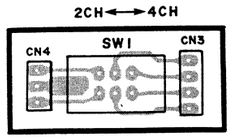
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW) : UNIT

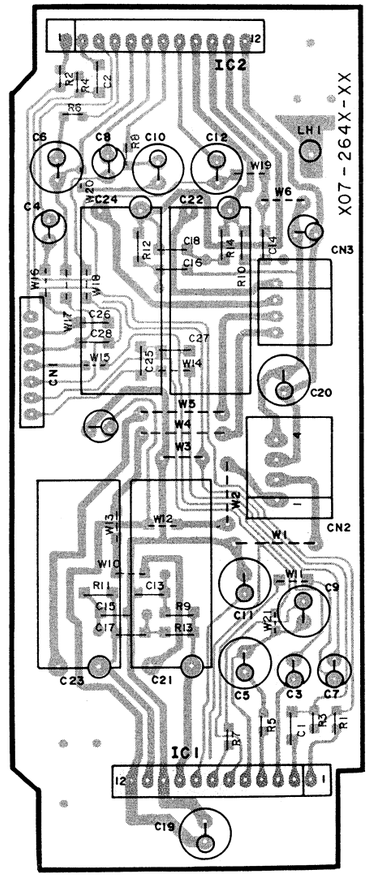


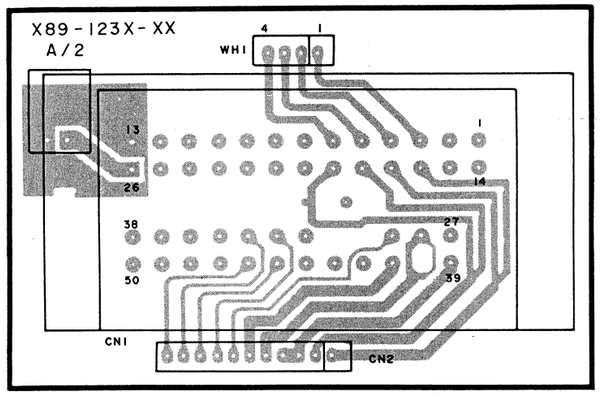
Refer to the schematic diagram for the values of resistors and capacitors.

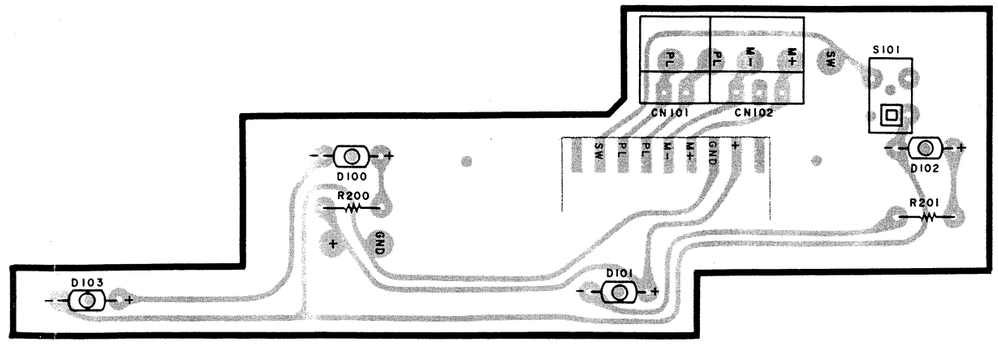
PC BOARD (FOIL SIDE VIEW) : MECHANISM

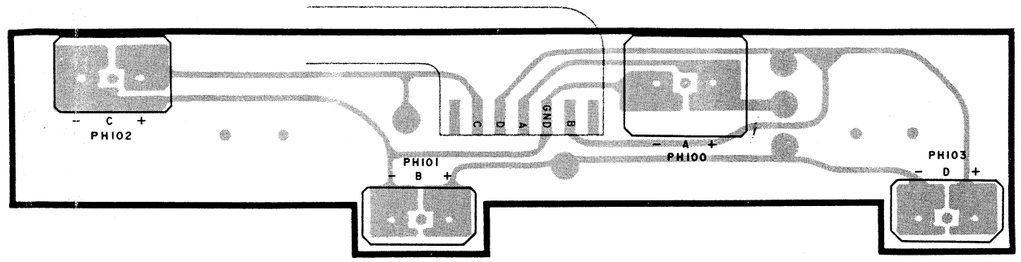


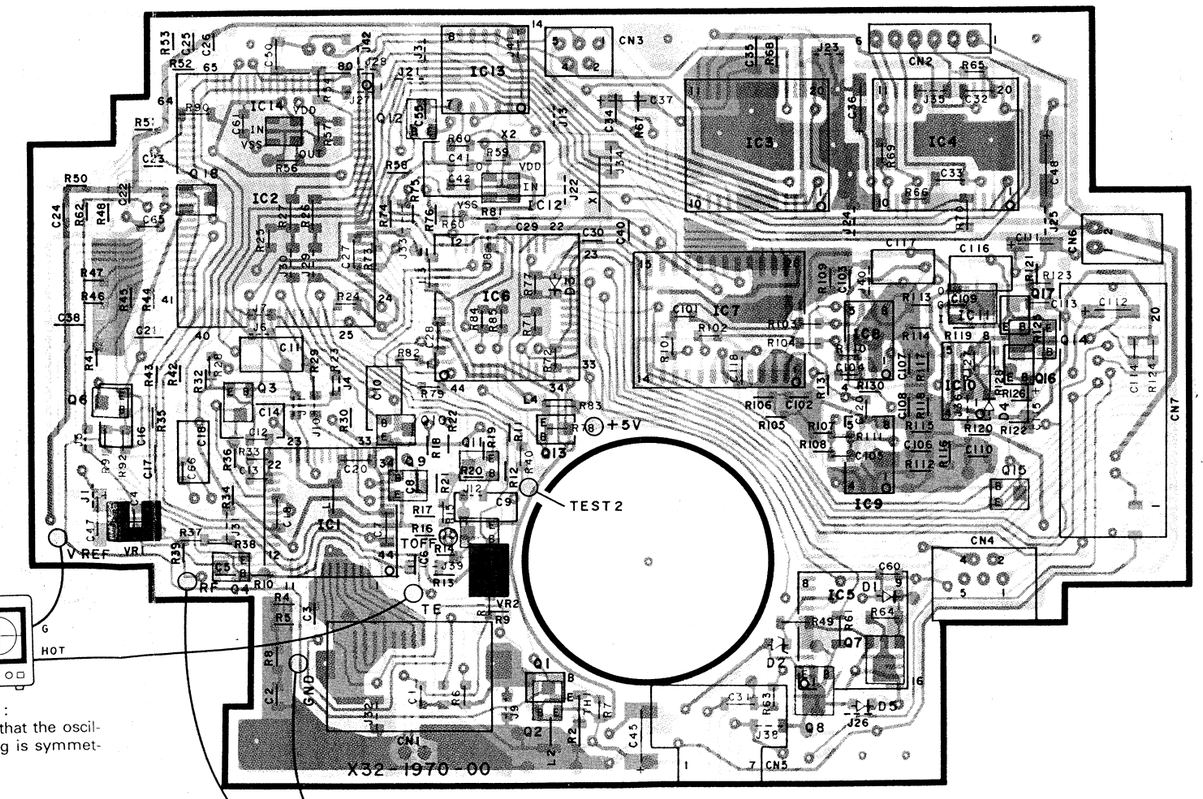
X89 B/2









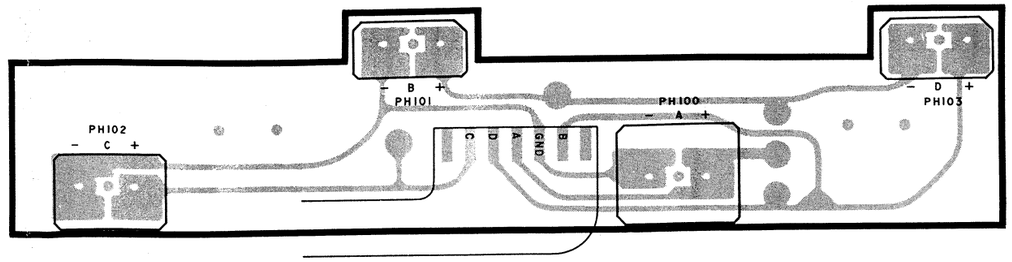


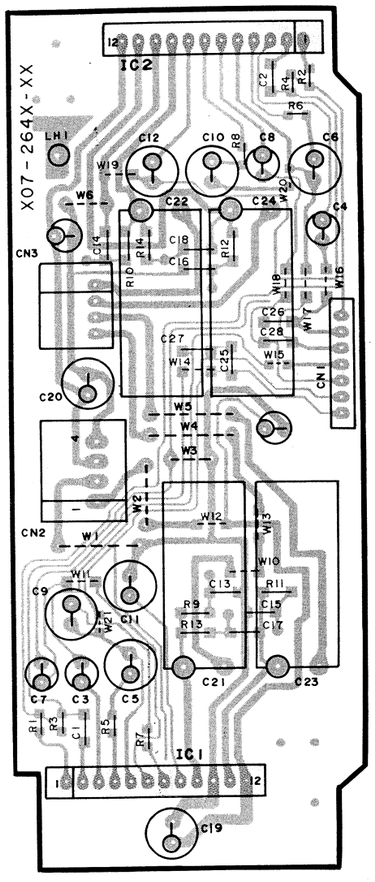
Tracking offset :
Adjust VR2 so that the oscilloscope reading is symmetrical

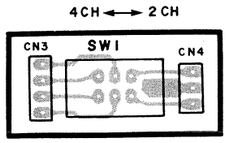
Focus offset :
Adjust VR1 so that the oscilloscope wave form eye pattern is good.

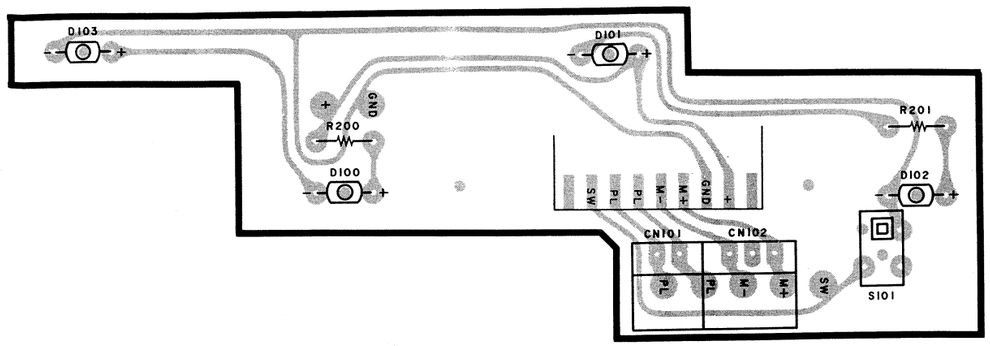
Refer to the schematic diagram for the values of resistors and capacitors.

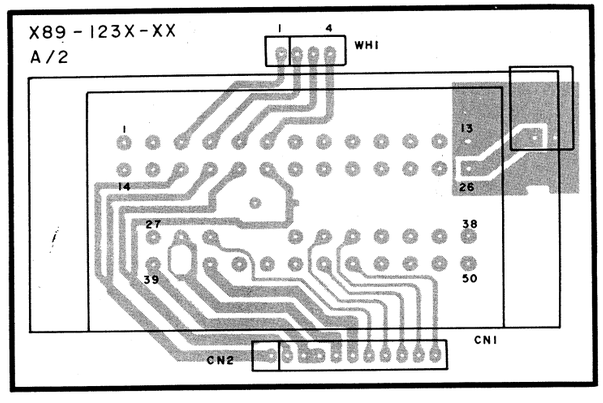
PC BOARD (COMPONENT SIDE VIEW) : MECHANISM







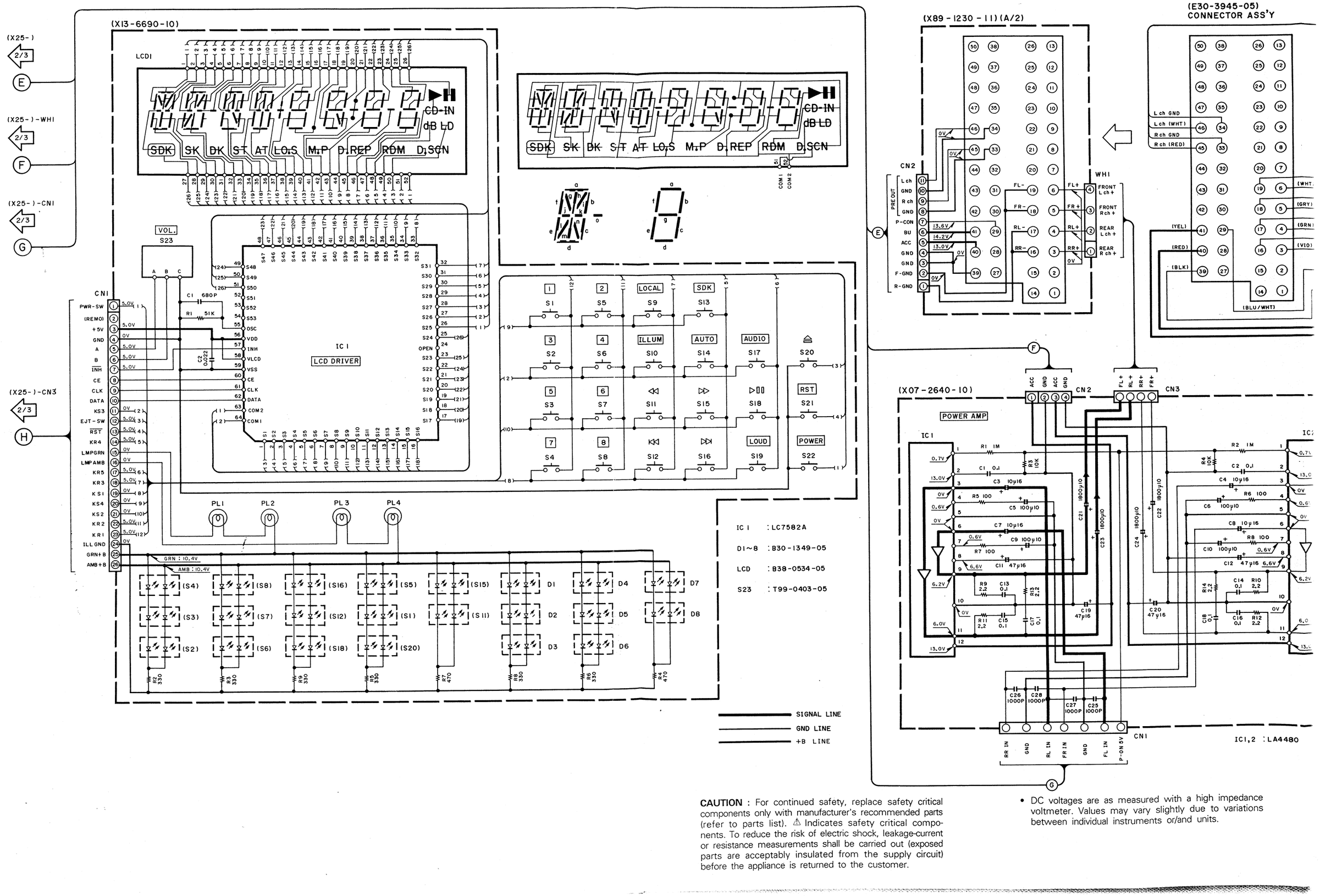




Tracking offset :
Adjust VR2 so that the oscilloscope reading is symmetrical

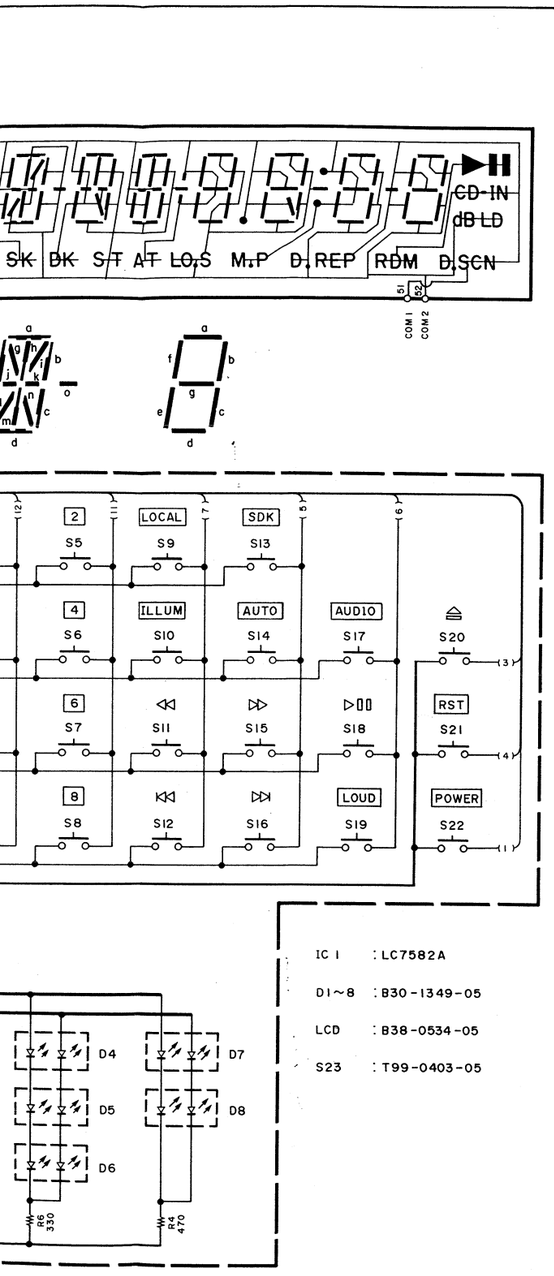
Focus offset :
Adjust VR1 so that the oscilloscope wave form eye pattern is good.

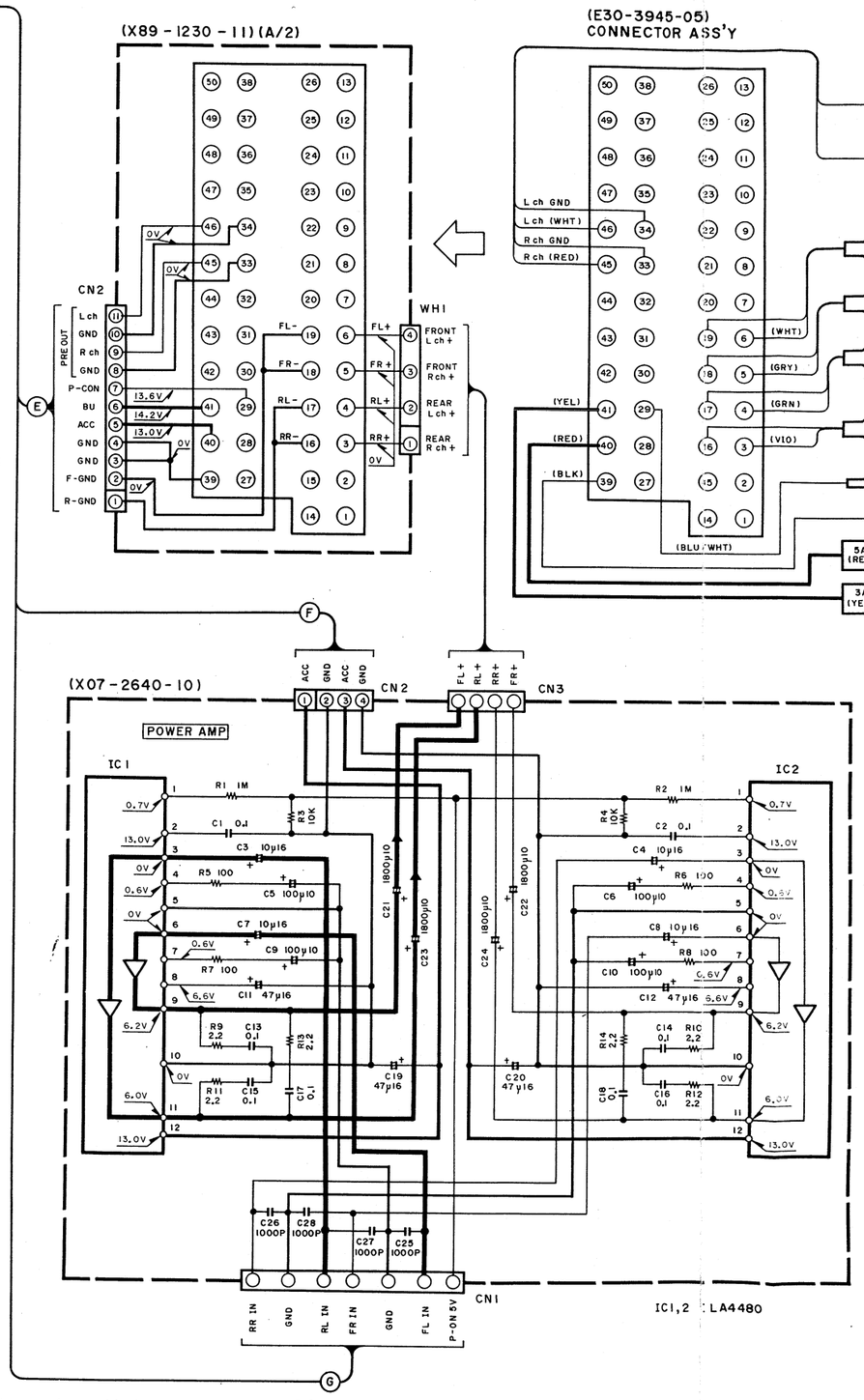
Refer to the schematic diagram for the values of resistors and capacitors.



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.





CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

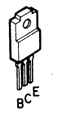
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

2SB822F

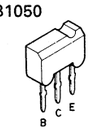
DTA124EK
DTA144EK
DTC114EK
DTC114TK
DTC124EK
DTC144EK
2SA1036K
2SA1037K
2SC2412K
2SC2413K
2SD1757K

2SB1188
2SD1624

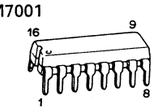
2SB1187F8



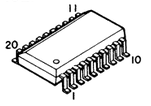
2SB1050



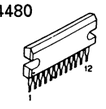
LM7001



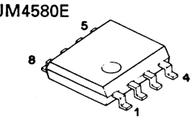
TA8192F



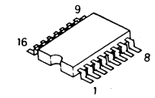
LA4480



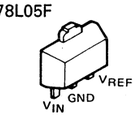
M5201FP
M5237L
NJM4565MD
NJM4580E



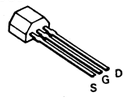
TA7291F
TC74HC74AF



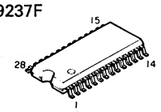
TA78L05F



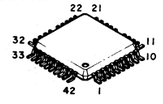
2SK669



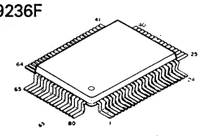
TC9237F



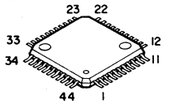
TC9188F



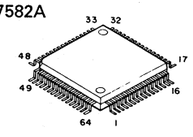
TC9236F



KKC02
TA8191F



LC7582A



Y22-2492-71

KDC-74D
KENWOOD

(X25-4372-71/-72)

SIGNAL LINE
GND LINE
+B LINE

IC1 MASTER μ-COM
IC2 PLL
IC3 S.D.K. DECODER
IC4 BUFF
IC5 (1/2) SELECTOR
IC6 (1/2)
IC5 (2/2)
IC6 (2/2)
IC7 (1/2) 1/2 Vcc
IC7 (2/2)
IC9 (1/2) BUFF
IC9 (2/2)
IC10 (1/2)
IC11 (1/2)
IC15 RESET
IC16 MEMORY

Q18 Q19 Q20 Q21 Q22 Q23 Q27 CD-T
Q31 AM
Q32 FM
Q33 LW
Q34 VT
Q35
Q36 FM SD
Q37
Q38 AM SD
Q39
Q40
Q41
Q52 BUFF
Q53
P-ON SW

D3 D4 D14 D15 D16 D17 D20

L1 VC1 VC2 X1 X2

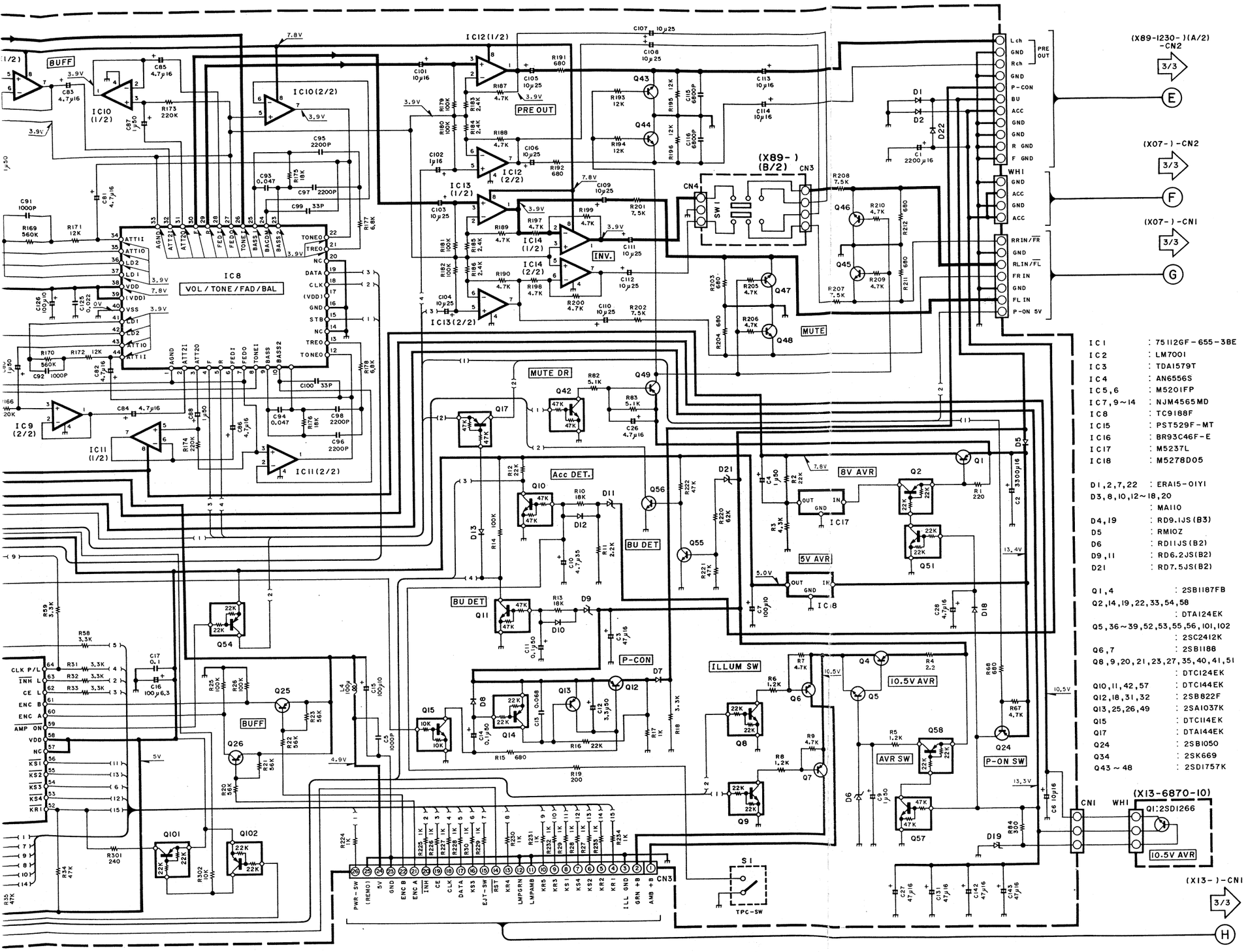
TP1 TP2 TP3 TP4

CN2
Lch GND Rch M-RST END SW DOWN SW CS M-STOP SRO SYSCOM-DO SYSCOM-DI CLK D GND BU 5V S GND SW 14V PHOTO 2 PHOTO 3 PHOTO 1

WH2

RST "L" EXT RST "H"

(X89-1222-) 1/3 A
(X89-1222-) 1/3 B
(X89-1222-) 1/3 C
(X32-) -CN7 1/3 D



IC1	: 75112GF-655-3BE
IC2	: LM7001
IC3	: TDA1579T
IC4	: AN6556S
IC5,6	: M5201FP
IC7,9~14	: NJM4565MD
IC8	: TC9188F
IC15	: PST529F-MT
IC16	: BR93C46F-E
IC17	: M5237L
IC18	: M5278D05
D1,2,7,22	: ERA15-01Y1
D3,8,10,12~18,20	: MA110
D4,19	: RD9.1JS(B3)
D5	: RM10Z
D6	: RD11JS(B2)
D9,11	: RD6.2JS(B2)
D21	: RD7.5JS(B2)
Q1,4	: 2SB1187FB
Q2,14,19,22,33,54,58	: DTA124EK
Q5,36~39,52,53,55,56,101,102	: 2SC2412K
Q6,7	: 2SB1188
Q8,9,20,21,23,27,35,40,41,51	: DTC124EK
Q10,11,42,57	: DTC144EK
Q12,18,31,32	: 2SB822F
Q13,25,26,49	: 2SA1037K
Q15	: DTC114EK
Q17	: DTA144EK
Q24	: 2SB1050
Q34	: 2SK669
Q43 ~ 48	: 2SD1757K

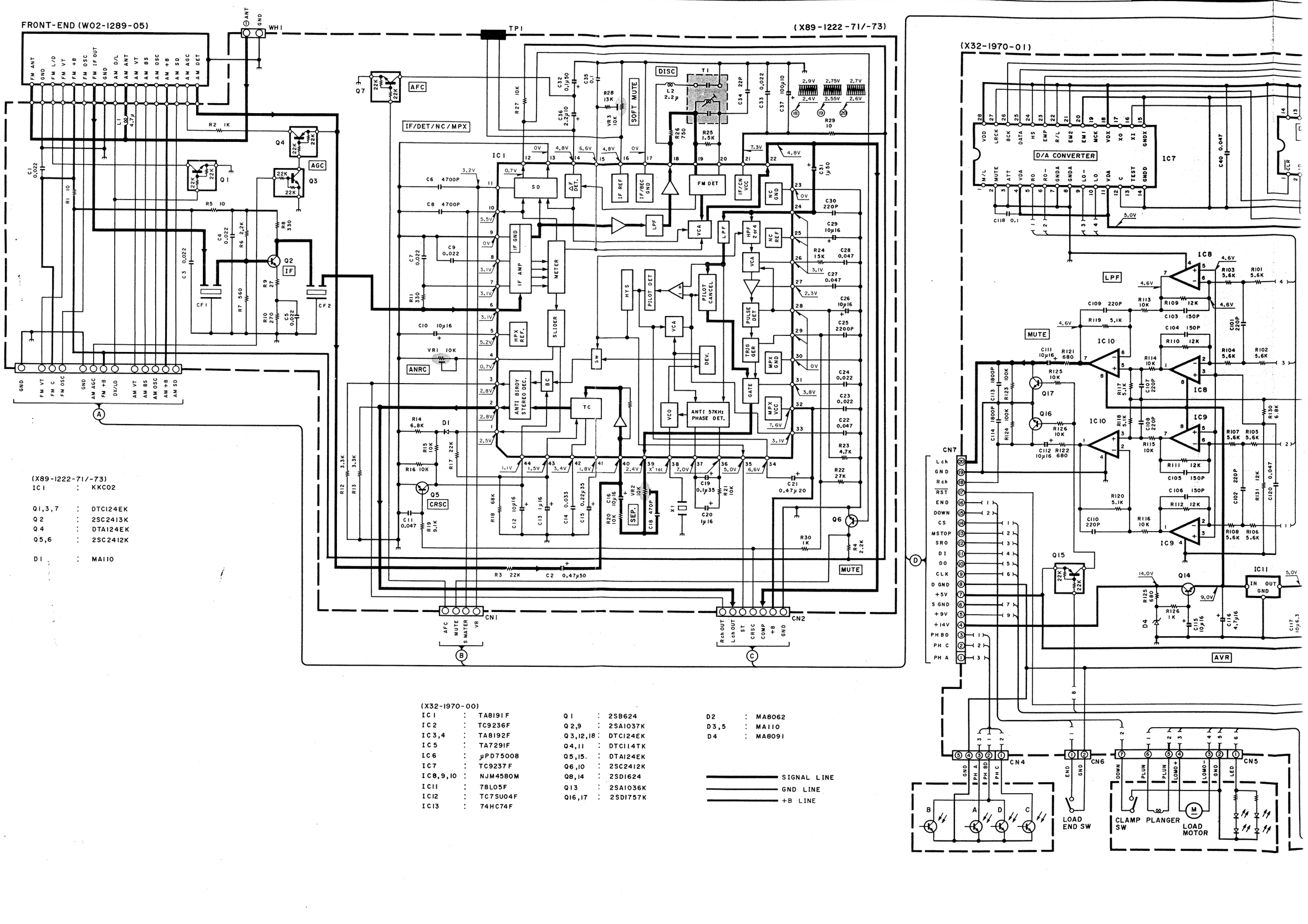
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Y22-2492-71

KDC-74D

KENWOOD

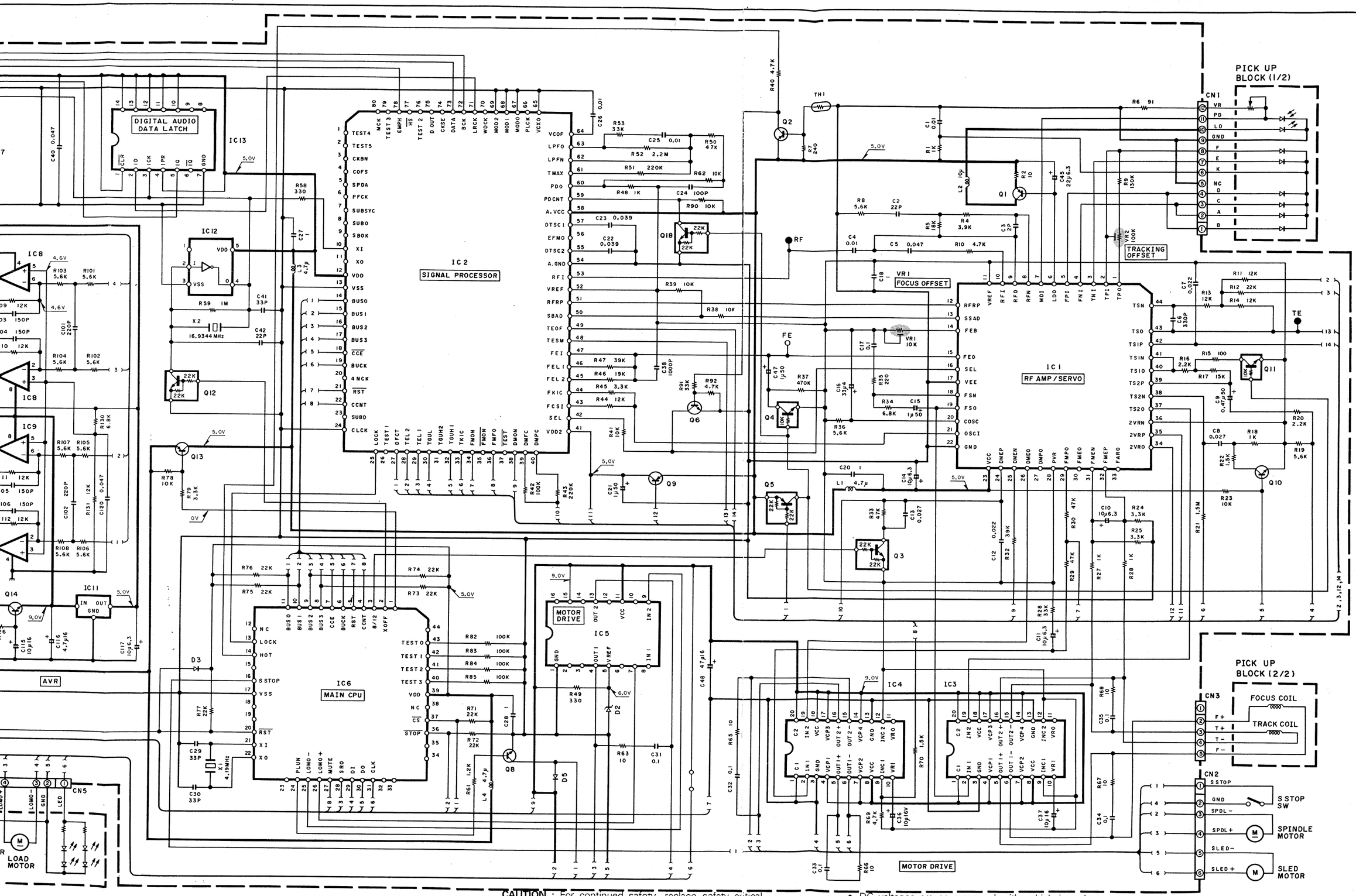


(X89-1222-71/-73)

IC1	:	KKC02
Q1,3,7	:	DTC124EK
Q2	:	2SC2413K
Q4	:	DTA124EK
Q5,6	:	2SC2412K
D1	:	MA110

(X32-1970-00)

IC1	:	TA8191F	Q1	:	2SB624	D2	:	MA8062
IC2	:	TC9236F	Q2,9	:	2SA1037K	D3,5	:	MA110
IC3,4	:	TA8192F	Q3,12,18	:	DTC124EK	D4	:	MA8091
IC5	:	TA7291F	Q4,11	:	DTC114TK			
IC6	:	μPD75008	Q5,15	:	DTA124EK			
IC7	:	TC9237F	Q6,10	:	2SC2412K			
IC8,9,10	:	NJM4580M	Q8,14	:	2SD1624			
IC11	:	78L05F	Q13	:	2SA1036K			
IC12	:	TC7SU04F	Q16,17	:	2SD1757K			
IC13	:	74HC74F						



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

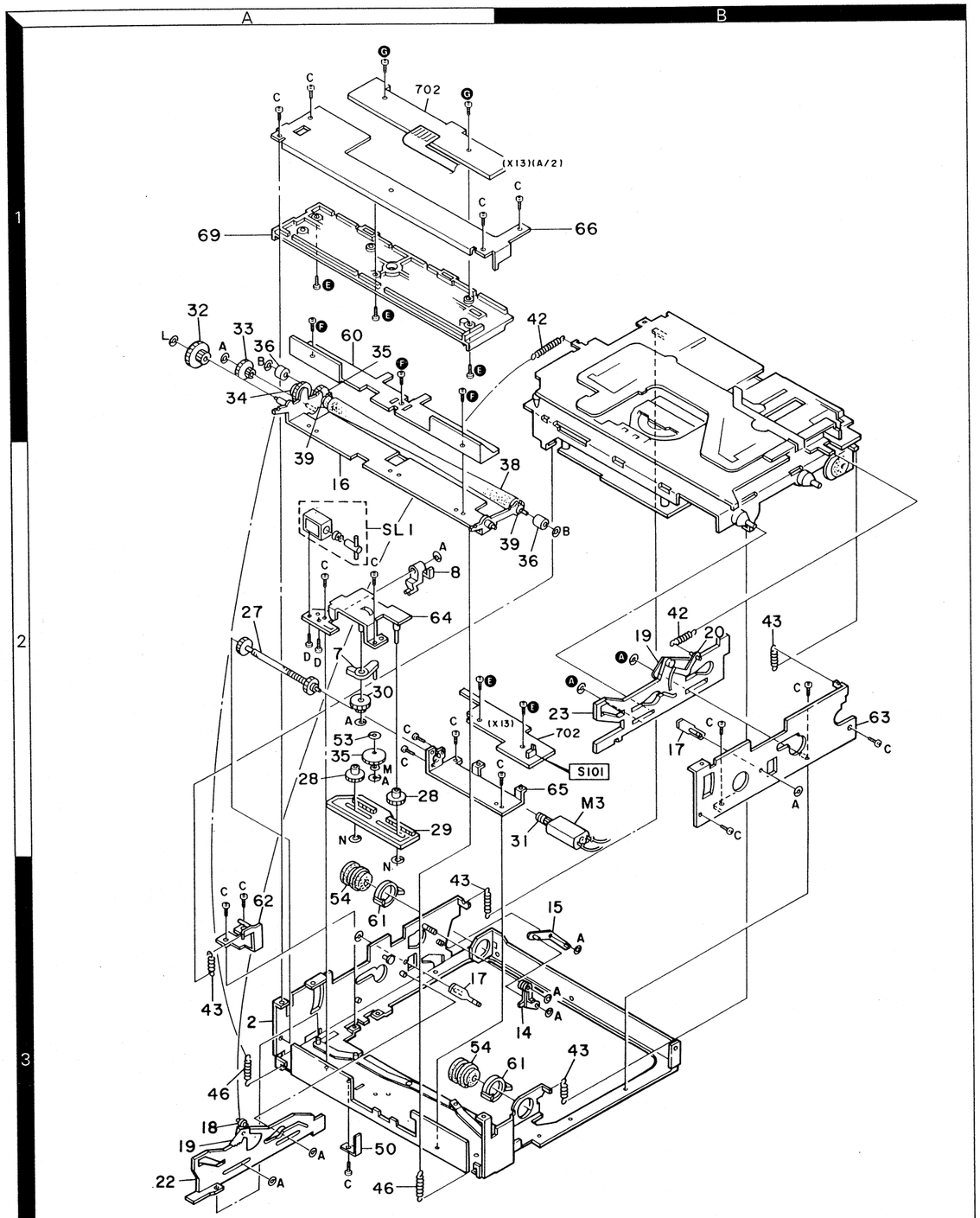
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Y22-2492-71

KDC-74D

KENWOOD

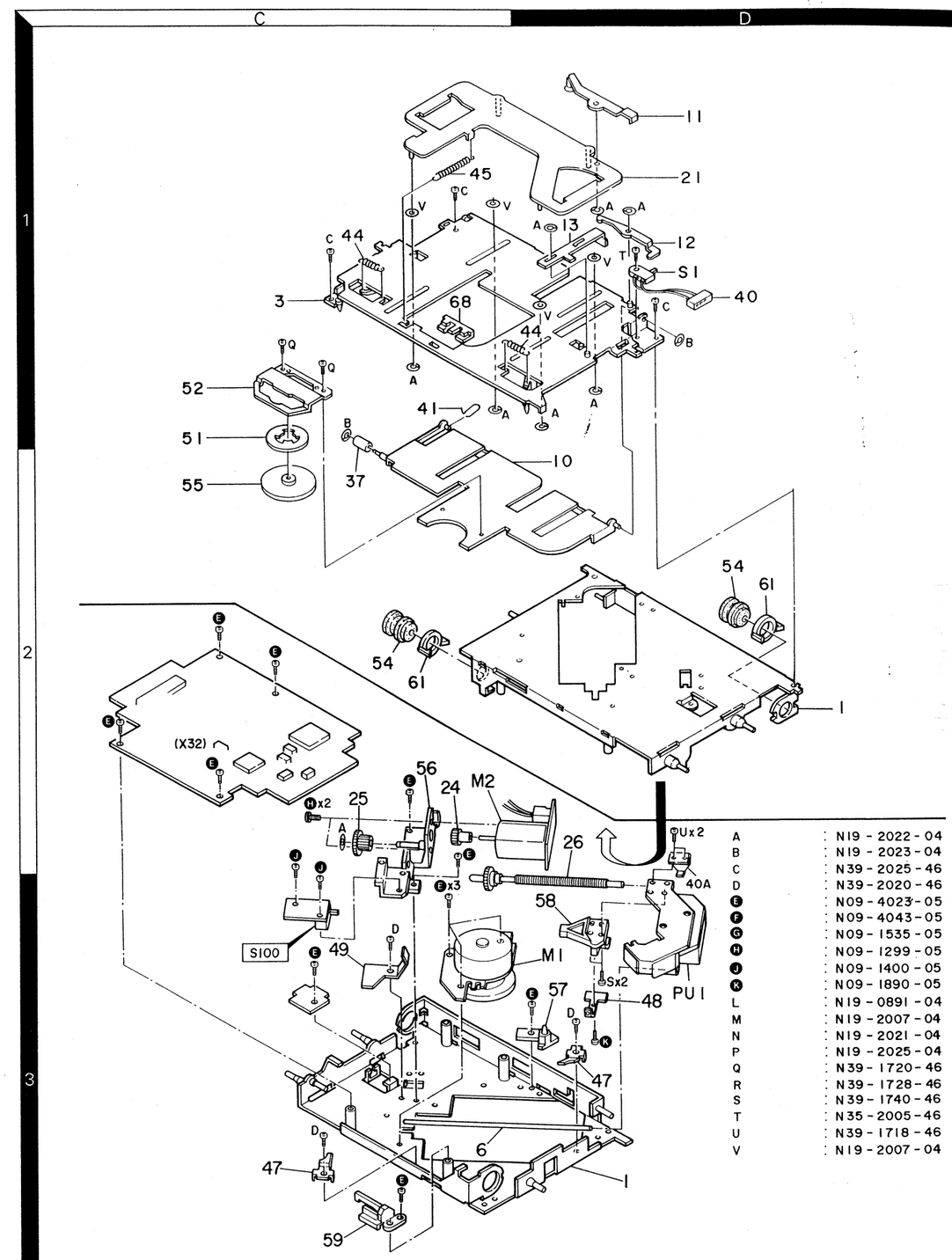
EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

KDC-74D

EXPLODED VIEW (MECHANISM)



A	: N19 - 2022 - 04
B	: N19 - 2023 - 04
C	: N39 - 2025 - 46
D	: N39 - 2020 - 46
E	: N09 - 4023 - 05
F	: N09 - 4043 - 05
G	: N09 - 1535 - 05
H	: N09 - 1299 - 05
J	: N09 - 1400 - 05
K	: N09 - 1890 - 05
L	: N19 - 0891 - 04
M	: N19 - 2007 - 04
N	: N19 - 2021 - 04
P	: N19 - 2025 - 04
Q	: N39 - 1720 - 46
R	: N39 - 1728 - 46
S	: N39 - 1740 - 46
T	: N35 - 2005 - 46
U	: N39 - 1718 - 46
V	: N19 - 2007 - 04

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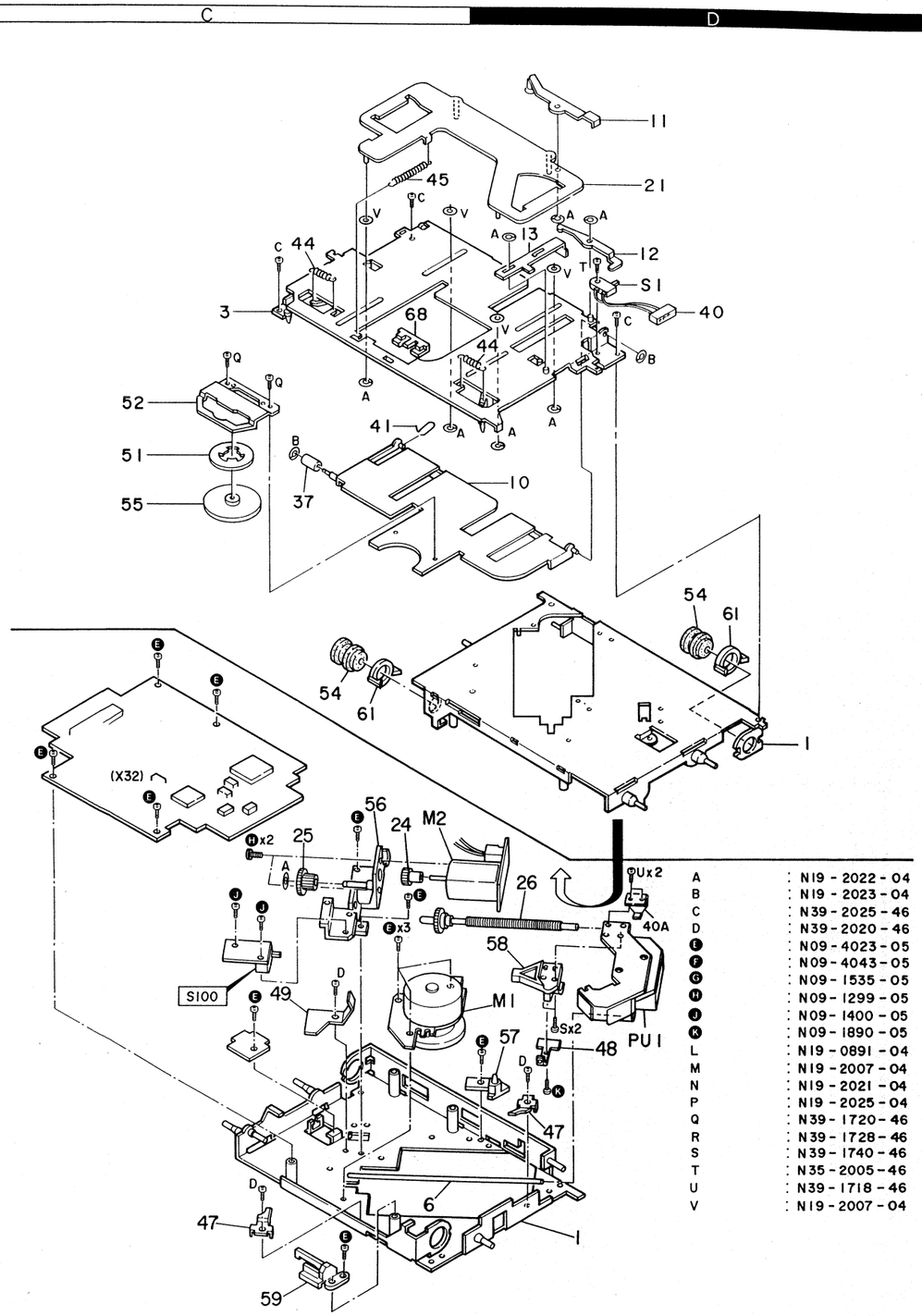
EXPLODED VIEW (MECHANISM)



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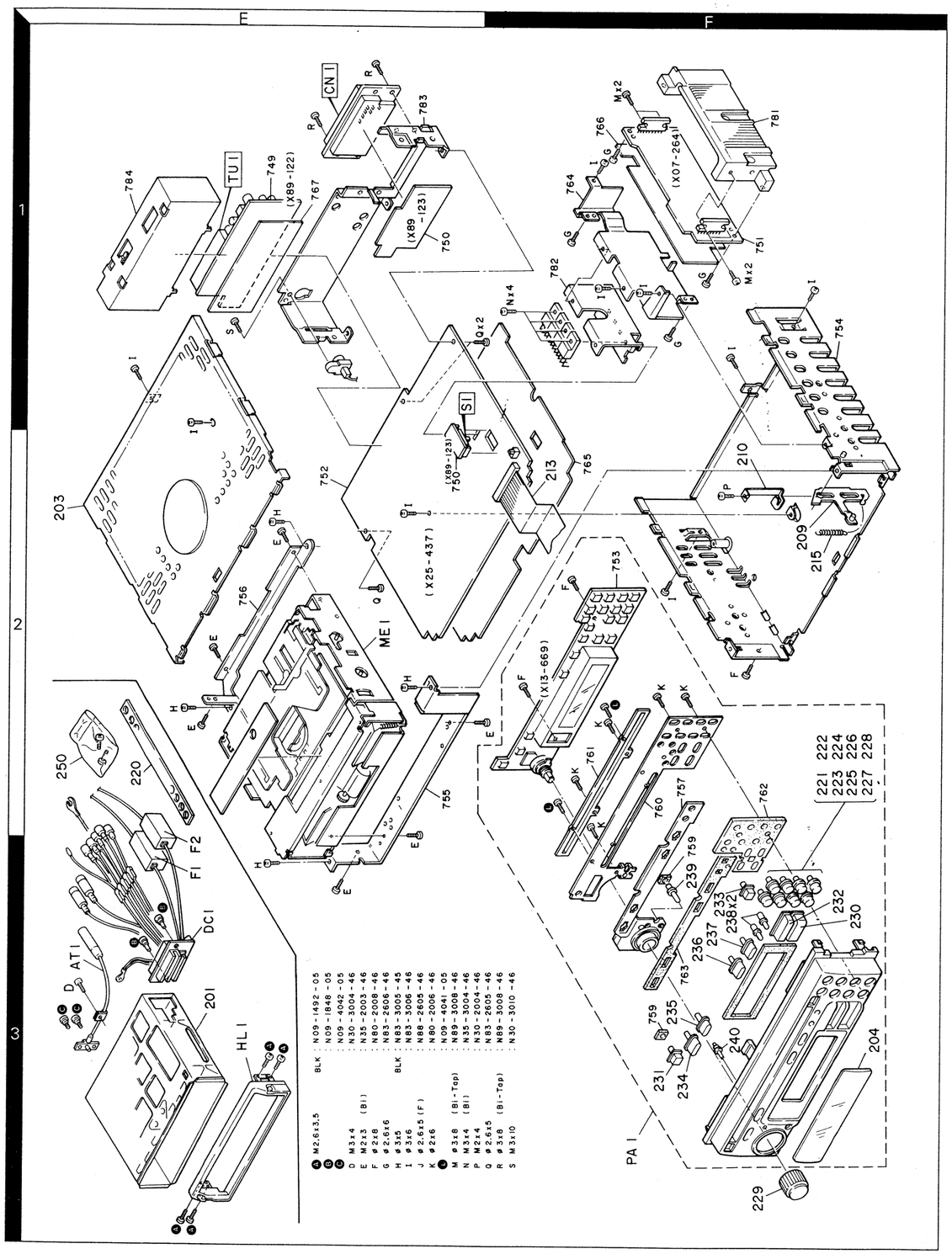
KDC-74D

EXPLODED VIEW (UNIT)



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			KDC-74D			
201	3E	*	A01-2537-01	METALLIC CABINET		
203	2E	*	A52-0628-02	TOP PLATE		
PA1	3F	*	A20-7643-02	PANEL ASSY		
204	3F	*	B10-1399-03	FRONT GLASS		
-			B44-6005-04	POS LABEL	E	
-			B44-6006-04	POS LABEL		
-			B44-6007-04	POS LABEL		
-			B46-0100-20	WARRANTY CARD		
-			B46-0182-04	ID CARD	E	
-		*	B54-0029-00	INSTALLATION MANUAL		
-			B58-0854-14	CAUTION CARD (315X148,BTL)		
-		*	B64-0074-00	INSTRUCTION MANUAL		
HL1	3E	*	B07-2025-02	ESCUTCHEON ASSY		
209	2F	*	D10-2684-04	LEVER		
210	2F		D10-2550-04	LEVER		
213	2F	*	E31-8198-05	WIRING HARNESS		
AT1	3E		E30-3943-05	CORD WITH CONNECTOR		
DC1	3E	*	E30-3945-05	CONNECTOR ASSY		
-			F07-1007-05	COVER		
-		*	F10-1721-03	SHIELDING PLATE		
215	2F		G01-2040-04	EXTENSION SPRING		
-		*	H01-9249-04	ITEM CARTON CASE		
-		*	H03-3288-04	OUTER CARTON CASE		
-		*	H10-4372-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0329-04	PROTECTION BAG (280X450X0.03)		
-			H25-0336-04	PROTECTION BAG (170X250X0.03)		
220	2E		J54-0059-04	STAY		
-		*	J31-1005-24	COLLAR		
221	3F	*	K24-0812-03	KNOB (1)		
222	3F	*	K24-0813-03	KNOB (2)		
223	3F	*	K24-0814-03	KNOB (3)		
224	3F	*	K24-0815-03	KNOB (4)		
225	3F	*	K24-0829-03	KNOB (5)		
226	3F		K24-0625-13	KNOB (6)		
227	3F		K24-0626-13	KNOB (7)		
228	3F		K24-0616-13	KNOB (8)		
229	3F	*	K23-1009-03	KNOB (VOL)		
230	3F		K25-0571-03	KNOB (TUNE)		
231	3F	*	K24-0793-04	KNOB (PLAY/STOP)		
232	3F	*	K25-0576-03	KNOB (AM,FM)		
233	3F	*	K24-0794-04	KNOB (EJECT)		
234	3F	*	K24-0782-03	KNOB (AUDIO)		
235	3F	*	K24-0783-03	KNOB (SDK)		
236	3F	*	K24-0784-03	KNOB (TUN)		
237	3F	*	K24-0856-03	KNOB (AUTO)		
238	3F	*	K24-0795-04	KNOB (ILLUM)		
239	3F	*	K24-0792-04	KNOB (LOUD)		
240	3F	*	K24-0791-04	KNOB (RESET)		
-			K01-0601-03	HANDLE (HL1)		
-			K27-3510-04	KNOB (LEVER)		

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250	3E		N99-0280-05	SCREW SET		
-			N19-2002-05	CORRUGATED WASHER (HL1)		
-			N32-2008-45	FLAT HEAD MACHIN SCREW (HL1)		
A			N09-1492-05	MACHINE SCREW (2.6X3.5)		
B			N09-1848-05	STEPPED SCREW		
C		*	N09-4042-05	STEPPED SCREW		
D			N30-3004-46	PAN HEAD MACHIN SCREW		
E			N35-2003-46	BINDING HEAD MACHIN SCREW		
F			N80-2008-46	PAN HEAD TAPTITE SCREW		
G			N83-2606-46	PAN HEAD TAPTITE SCREW		
H			N83-3005-45	PAN HEAD TAPTITE SCREW		
I			N83-3006-46	PAN HEAD TAPTITE SCREW		
K			N80-2006-46	PAN HEAD TAPTITE SCREW		
L		*	N09-4041-05	SEMS (TAPTITE SCREW)(1.7X6)		
ME1	2E	*	X92-1460-03	MECHANISM ASSY		
POWER AMPLIFIER UNIT (X07-2640-10)						
C1 ,2			CK73EB1E104K	CHIP C 0.10UF K		
C3 ,4		*	C90-2554-05	ELECTRO 10UF 16WV		
C5 ,6			C90-2550-05	ELECTRO 100UF 10WV		
C7 ,8		*	C90-2554-05	ELECTRO 10UF 16WV		
C9 ,10			C90-2550-05	ELECTRO 100UF 10WV		
C11 ,12			C90-2552-05	ELECTRO 47UF 16WV		
C13 -18			CK73EB1E104K	CHIP C 0.10UF K		
C19 ,20			C90-2552-05	ELECTRO 47UF 16WV		
C21 -24		*	C90-2577-05	ELECTRO 1800UF 10WV		
C25 -28			CK73EB1H102K	CHIP C 1000PF K		
LH1			J19-2826-05	HOLDER		
G			N83-2606-46	PAN HEAD TAPTITE SCREW		
M			N89-3008-46	BINDING HEAD TAPTITE SCREW		
R1 ,2			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R3 ,4			RK73FB2A103J	CHIP R 10K J 1/10W		
R5 -8			RK73FB2A101J	CHIP R 100 J 1/10W		
R9 -14			RK73EB2B2R2J	CHIP R 2.2 J 1/8W		
W10 -14			R92-2053-05	JUMPER WIRE (RESISTOR TYPE)		
W15			R92-2052-05	JUMPER WIRE (RESISTOR TYPE)		
W16 -19			R92-2053-05	JUMPER WIRE (RESISTOR TYPE)		
W20 ,21			R92-2052-05	JUMPER WIRE (RESISTOR TYPE)		
IC1 ,2		*	LA4480	IC		
SUB CIRCUIT UNIT (X13-6490-00)						
S100			S50-1038-05	MICRO SWITCH		
SWITCH UNIT (X13-6690-10)						
-		*	B11-0823-04	OPTICAL DIFFUSER(LCD)		
-		*	B19-0860-02	LIGHTING BOARD (LCD)		
D1 -8			B30-1349-05	LED		
LCD1	2F	*	B38-0534-05	LIQUID CRYSTAL		
PL1 ,2			B30-1306-05	LAMP (5.5V .125A)		
PL3 ,4			B30-1305-05	LAMP (5.5V .125A)		
C1			CK73EB1H681K	CHIP C 680PF K		
C2			CK73EB1H223K	CHIP C 0.022UF K		
-		*	E29-1341-04	CONDUCTIVE RUBBER (LCD)		

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-		*	J19-4396-03	HOLDER (LCD)		
R1			RK73EB2B513J	CHIP R 51K J 1/8W		
R2 ,3			RK73EB2B331J	CHIP R 330 J 1/8W		
R4			RK73EB2B471J	CHIP R 470 J 1/8W		
R5 ,6			RK73EB2B331J	CHIP R 330 J 1/8W		
R7			RK73EB2B471J	CHIP R 470 J 1/8W		
R8 ,9			RK73EB2B331J	CHIP R 330 J 1/8W		
S1 -8			S40-1606-05	PUSH SWITCH		
S9 ,10			S40-1607-05	PUSH SWITCH		
S11 ,12			S40-1606-05	PUSH SWITCH		
S13 ,14			S40-1607-05	PUSH SWITCH		
S15 ,16			S40-1606-05	PUSH SWITCH		
S17			S40-1607-05	PUSH SWITCH		
S18			S40-1606-05	PUSH SWITCH		
S19			S40-1096-05	PUSH SWITCH		
S20			S40-1606-05	PUSH SWITCH		
S21			S40-1096-05	PUSH SWITCH		
S22			S40-1607-05	PUSH SWITCH		
S23		*	T99-0403-05	SPEED DETECTOR (VOL)		
IC1			LC7582A	IC(LCD DRIVER)		
SUB CIRCUIT UNIT (X13-6770-00)						
D100-103			B30-1326-05	LED		
S101			S40-1140-05	PUSH SWITCH		
PH100-103			TPS-605(LB)	PHOTO TRANSISTOR		
ELECTRIC UNIT (X25-4372-71)						
C1 ,2			C90-2537-05	ELECTRO 2200UF 16WV		
C3			CE04CW1C470M	ELECTRO 47UF M		
C4			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C5			CK73FB1H102K	CHIP C 1000PF K		
C6			CE04CW1C100M	ELECTRO 10UF 16WV		
C7			CE04CW1A101M	ELECTRO 100UF 10WV		
C9			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C10			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C11			CE04CW1H0R1M	ELECTRO 0.1UF 50WV		
C12			CE04CW1V3R3M	ELECTRO 3.3UF 35WV		
C13			CK73EB1E683K	CHIP C 0.068UF K		
C14			CE04CW1H0R1M	ELECTRO 0.1UF 50WV		
C15 ,16			CE04CW1A101M	ELECTRO 100UF 10WV		
C17			CK73EB1E104K	CHIP C 0.10UF K		
C20			CC73FCH1H050C	CHIP C 5PF C		
C21			CC73FCH1H090D	CHIP C 9PF D		
C22			CK73FB1H103K	CHIP C 0.010UF K		
C23 ,24			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C25			CE04CW1H2R2M	ELECTRO 2.2UF 50WV		
C26			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C27			CE04CW1C470M	ELECTRO 47UF M		
C28			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C29 ,30			CK73FB1H102K	CHIP C 1000PF K		
C31			CE04CW1A101M	ELECTRO 100UF 10WV		
C32			CK73FB1H223KTA	CHIP C 0.022UF K		

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R3			RK73FB2A432J	CHIP R 4.3K J 1/10W		
R4			R92-2021-05	CHIP R 2.2 J 1/2W		
R5 ,6			RK73EB2B122J	CHIP R 1.2K J 1/8W		
R7			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R8			RK73EB2B122J	CHIP R 1.2K J 1/8W		
R9			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R10			RK73FB2A183J	CHIP R 18K J 1/10W		
R11			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R12			RK73FB2A223J	CHIP R 22K J 1/10W		
R13			RK73FB2A183J	CHIP R 18K J 1/10W		
R14			RK73FB2A104J	CHIP R 100K J 1/10W		
R15			R92-2063-05	CHIP R 680 J 1/2W		
R16			RK73FB2A223J	CHIP R 22K J 1/10W		
R17			RD14DB2H102J	SMALL-RD 1.0K J 1/2W		
R18			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R19			RK73EB2B201J	CHIP R 200 J 1/8W		
R20 -23			RK73FB2A563J	CHIP R 56K J 1/10W		
R25 ,26			RK73FB2A104J	CHIP R 100K J 1/10W		
R27 -30			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R31 -33			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R34 -40			RK73FB2A473J	CHIP R 47K J 1/10W		
R41			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R47 ,48			RK73FB2A473J	CHIP R 47K J 1/10W		
R49 -51			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R52			RK73FB2A103J	CHIP R 10K J 1/10W		
R53 ,54			RK73FB2A473J	CHIP R 47K J 1/10W		
R55			RK73FB2A103J	CHIP R 10K J 1/10W		
R56 ,57			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R58			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R59			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R60			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R61			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R62			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R63 ,64			RK73FB2A103J	CHIP R 10K J 1/10W		
R65			RK73FB2A101J	CHIP R 100 J 1/10W		
R66			RK73FB2A104J	CHIP R 100K J 1/10W		
R67			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R68			R92-2063-05	CHIP R 680 J 1/2W		
R69			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R70			RK73EB2B681J	CHIP R 680 J 1/8W		
R71 -73			RK73FB2A223J	CHIP R 22K J 1/10W		
R74 -77			RK73FB2A104J	CHIP R 100K J 1/10W		
R78 ,79			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R80 ,81			RK73FB2A473J	CHIP R 47K J 1/10W		
R82 ,83			RK73FB2A512J	CHIP R 5.1K J 1/10W		
R84			RK73EB2B301J	CHIP R 300 J 1/8W		
R85 -87			RK73FB2A103J	CHIP R 10K J 1/10W		
R98 ,99			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R100			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R101,102			RK73FB2A103J	CHIP R 10K J 1/10W		
R103,104			RK73FB2A223J	CHIP R 22K J 1/10W		
R105			RK73FB2A563J	CHIP R 56K J 1/10W		
R106			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R107,108			RK73FB2A223J	CHIP R 22K J 1/10W		
R109			RK73FB2A472J	CHIP R 4.7K J 1/10W		

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C33 ,34			CC73FCH1H220J	CHIP C 22PF J		
C35 ,36			CE04CW1A101M	ELECTRO 100UF 10WV		
C37			CF92V1H223J	MF 0.022UF J		
C38			CE04CW1HR47M	ELECTRO 0.47UF 50WV		
C39			CK73FB1H223KTA	CHIP C 0.022UF K		
C40			CE04CW1H0R1M	ELECTRO 0.1UF 50WV		
C41 -44			CE04CW1A101M	ELECTRO 100UF 10WV		
C51			CK73FB1H103K	CHIP C 0.010UF K		
C52 ,53			C93-0026-05	CHIP C 0.068UF 50WV		
C54			CE04CW1C100M	ELECTRO 10UF 16WV		
C55			CK73EB1E104K	CHIP C 0.10UF K		
C56			CE04CW1A101M	ELECTRO 100UF 10WV		
C57			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C58 ,59			CF92V1H683J	MF 0.068UF J		
C60			CK73DB1H154K	CHIP C 0.15UF K		
C61			CQ93AP2A332J	POLYPRO 3300PF J		
C62			CK73FB1H103K	CHIP C 0.010UF K		
C63			CC73FSL1H560J	CHIP C 56PF J		
C64 ,65			C93-0026-05	CHIP C 0.068UF 50WV		
C71 ,72			CK73EB1H183K	CHIP C 0.018UF K		
C73 -76			CE04CW1C100M	ELECTRO 10UF 16WV		
C77 ,78			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C79 ,80			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C81 -86			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C87 ,88			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C89 ,90			CK73EB1E104K	CHIP C 0.10UF K		
C91 ,92			CK73FB1H102K	CHIP C 1000PF K		
C93 ,94			CK73EB1H473K	CHIP C 0.047UF K		
C95 -98			CK73FB1H222K	CHIP C 2200PF K		
C99 ,100			CC73FSL1H330J	CHIP C 33PF J		
C101-114			CE04CW1C100M	ELECTRO 10UF 16WV		
C115,116			C93-1020-05	CERAMIC 5100PF 50WV		
C121			CE04CW1C100M	ELECTRO 10UF 16WV		
C122,123			CE04CW1A101M	ELECTRO 100UF 10WV		
C124			CE04CW1C100M	ELECTRO 10UF 16WV		
C125			CK73FB1H223KTA	CHIP C 0.022UF K		
C126			CE04CW1A101M	ELECTRO 100UF 10WV		
C131			CE04CW1C470M	ELECTRO 47UF M		
C132			CK73FB1H223KTA	CHIP C 0.022UF K		
C140,141			CK73FB1H102K	CHIP C 1000PF K		
C142,143			CE04CW1C470M	ELECTRO 47UF M		
LH1 ,2			J19-2826-05	HOLDER		
L1			L39-0156-05	TRAP COIL		
L2 ,3		*	L33-0936-05	SMALL FIXED INDUCTOR		
L4			L40-1011-18	SMALL FIXED INDUCTOR		
X1			L77-1167-05	CRYSTAL RESONATOR		
X2			L77-1166-05	CRYSTAL RESONATOR		
D			N30-3004-46	PAN HEAD MACHIN SCREW		
Q			N83-2605-46	PAN HEAD TAPTITE SCREW		
R			N89-3008-46	BINDING HEAD TAPTITE SCREW		
S			N30-3010-46	PAN HEAD MACHIN SCREW		
R1			RK73EB2B221J	CHIP R 220 J 1/8W		
R2			RK73FB2A223J	CHIP R 22K J 1/10W		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R110			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R111			RK73FB2A752J	CHIP R 7.5K J 1/10W		
R112			RK73FB2A471J	CHIP R 470 J 1/10W		
R113			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R114-117			RK73EB2B511J	CHIP R 510 J 1/8W		
R118,119			RK73FB2A223J	CHIP R 22K J 1/10W		
R120,121			RK73EB2B100J	CHIP R 10 J 1/8W		
R122			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R123,124			RK73FB2A223J	CHIP R 22K J 1/10W		
R125			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R126,127			RK73FB2A473J	CHIP R 47K J 1/10W		
R131			RK73FB2A564J	CHIP R 560K J 1/10W		
R132			RK73FB2A273J	CHIP R 27K J 1/10W		
R133			RK73FB2A220J	CHIP R 22 J 1/10W		
R134			RK73FB2A683J	CHIP R 68K J 1/10W		
R135			RK73FB2A473J	CHIP R 47K J 1/10W		
R136			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R137			RK73FB2A684J	CHIP R 680K J 1/10W		
R138			RK73FB2A391J	CHIP R 390 J 1/10W		
R139			RK73FB2A224J	CHIP R 220K J 1/10W		
R140,141			RK73FB2A104J	CHIP R 100K J 1/10W		
R142			RK73FB2A101J	CHIP R 100 J 1/10W		
R143			RK73FB2A244J	CHIP R 240K J 1/10W		
R144			RK73FB2A123J	CHIP R 12K J 1/10W		
R145			RK73FB2A333J	CHIP R 33K J 1/10W		
R146			RK73FB2A563J	CHIP R 56K J 1/10W		
R151-154			RK73FB2A223J	CHIP R 22K J 1/10W		
R155,156			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R157,158			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R159,160			RK73FB2A101J	CHIP R 100 J 1/10W		
R161,162			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R163,164			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R165,166			RK73FB2A224J	CHIP R 220K J 1/10W		
R167,168			RK73FB2A563J	CHIP R 56K J 1/10W		
R169,170			RK73FB2A564J	CHIP R 560K J 1/10W		
R171,172			RK73FB2A123J	CHIP R 12K J 1/10W		
R173,174			RK73FB2A224J	CHIP R 220K J 1/10W		
R175,176			RK73FB2A183J	CHIP R 18K J 1/10W		
R177,178			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R179-182			RK73FB2A104J	CHIP R 100K J 1/10W		
R183-186			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R187-190			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R191,192			RK73FB2A681J	CHIP R 680 J 1/10W		
R193-196			RK73FB2A123J	CHIP R 12K J 1/10W		
R197-200			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R201,202			RK73FB2A752J	CHIP R 7.5K J 1/10W		
R203,204			RK73FB2A681J	CHIP R 680 J 1/10W		
R205,206			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R207,208			RK73FB2A752J	CHIP R 7.5K J 1/10W		
R209,210			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R211,212			RK73FB2A681J	CHIP R 680 J 1/10W		
R220			RK73FB2A623J	CHIP R 62K J 1/10W		
R221,222			RK73FB2A473J	CHIP R 47K J 1/10W		
R223-234			RK73FB2A102J	CHIP R 1.0K J 1/10W		
VR1			R12-6413-05	TRIMMING PØT.		

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VR2 ,3			R12-6423-05	TRIM POT. 10K		
VR4			R12-6425-05	TRIM POT. 22K		
W1			R92-2052-05	JUMPER WIRE (RESISTOR TYPE)		
W2 -6			R92-2053-05	JUMPER WIRE (RESISTOR TYPE)		
W7 -10			R92-2052-05	JUMPER WIRE (RESISTOR TYPE)		
S1			S40-1140-05	PUSH SWITCH		
D1 ,2			ERA15-01Y1	DIODE		
D3			MA110	DIODE		
D4			RD9.1JS(B2)	ZENER DIODE		
D5			RM10Z	DIODE		
D6			RD11JS(B2)	ZENER DIODE		
D7			ERA15-01Y1	DIODE		
D8			MA110	DIODE		
D9			RD6.2JS(B2)	ZENER DIODE		
D10			MA110	DIODE		
D11			RD6.2JS(B2)	ZENER DIODE		
D12 -18			MA110	DIODE		
D19			RD11JS(B2)	ZENER DIODE		
D20			MA110	DIODE		
D21			RD7.5JS(B2)	ZENER DIODE		
IC1		*	75112GF-655-3BE	IC		
IC2			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC3			TDA1579T	IC(DECODER)		
IC4			NJM4565MD	IC(OP AMP X2)		
IC5 ,6			M5201FP	IC		
IC7			NJM4565MD	IC(OP AMP X2)		
IC8			TC9188F	IC(2CH ELECTRIC VOLUME)		
IC9 -14			NJM4565MD	IC(OP AMP X2)		
IC15			PST529F-MT	IC		
IC16		*	BR93CS46F-E	IC		
IC17			M5237L	IC		
IC18		*	TA78DL05AP	IC		
Q1			2SB1187F8	TRANSISTOR		
Q2			DTA124EK	DIGITAL TRANSISTOR		
Q4			2SB1187F8	TRANSISTOR		
Q5			2SC2412K	TRANSISTOR		
Q6 ,7			2SB1188	TRANSISTOR		
Q8 ,9			DTC124EK	DIGITAL TRANSISTOR		
Q10 ,11			DTC144EK	DIGITAL TRANSISTOR		
Q12			2SB822F	TRANSISTOR		
Q13			2SA1037K	TRANSISTOR		
Q14			DTA124EK	DIGITAL TRANSISTOR		
Q15			DTC114EK	DIGITAL TRANSISTOR		
Q17			DTA144EK	DIGITAL TRANSISTOR		
Q18			2SB822F	TRANSISTOR		
Q19			DTA124EK	DIGITAL TRANSISTOR		
Q20 ,21			DTC124EK	DIGITAL TRANSISTOR		
Q22			DTA124EK	DIGITAL TRANSISTOR		
Q23			DTC124EK	DIGITAL TRANSISTOR		
Q24			2SB1050	TRANSISTOR		
Q25 ,26			2SA1037K	TRANSISTOR		
Q27			DTC124EK	DIGITAL TRANSISTOR		
Q31 ,32			2SB822F	TRANSISTOR		
Q33			DTA124EK	DIGITAL TRANSISTOR		

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Q34			2SK669	FET		
Q35			DTC124EK	DIGITAL TRANSISTOR		
Q36 -39			2SC2412K	TRANSISTOR		
Q40 ,41			DTC124EK	DIGITAL TRANSISTOR		
Q42			DTC144EK	DIGITAL TRANSISTOR		
Q43 -48			2SD1757K	TRANSISTOR		
Q49			2SA1037K	TRANSISTOR		
Q50		*	2SD1266BD	TRANSISTOR		
Q51			DTC124EK	DIGITAL TRANSISTOR		
Q52 ,53			2SC2412K	TRANSISTOR		
Q54			DTA124EK	DIGITAL TRANSISTOR		
Q55 ,56			2SC2412K	TRANSISTOR		
Q57 ,58			DTA124EK	DIGITAL TRANSISTOR		
CD PLAYER UNIT (X32-1970-01)						
C1			CK73FB1H103K	CHIP C 0.010UF K		
C2			CC73FCH1H220J	CHIP C 22PF J		
C3			CC73FCH1H020C	CHIP C 2.0PF C		
C4			CK73FB1H103K	CHIP C 0.010UF K		
C5		*	CK73FB1E473KTA	CHIP C 0.047UF K		
C6			CK73FB1H331K	CHIP C 330PF K		
C7			CK73EB1H223K	CHIP C 0.022UF K		
C8		*	CK73FB1E273KTA	CHIP C 0.027UF K		
C9		*	C92-1017-05	ELECTRO 0.47UF 50WV		
C10 ,11		*	C92-1020-05	ELECTRO 10UF 6.3WV		
C12			CK73FB1H392K	CHIP C 3900PF K		
C13		*	CK73FB1E273KTA	CHIP C 0.027UF K		
C14		*	C92-1020-05	ELECTRO 10UF 6.3WV		
C15		*	C92-1018-05	ELECTRO 1UF 50WV		
C16		*	C92-1023-05	ELECTRO 22UF 4.0WV		
C17			CK73EB1E104K	CHIP C 0.10UF K		
C18			CK73EF1C105Z	CHIP C 1.0UF Z		
C20 ,21			CK73EF1C105Z	CHIP C 1.0UF Z		
C22 ,23		*	CK73FB1E393KTA	CHIP C 0.039UF K		
C24			CC73FCH1H101J	CHIP C 100PF J		
C25 ,26			CK73FB1H103K	CHIP C 0.010UF K		
C27 ,28			CK73EF1C105Z	CHIP C 1.0UF Z		
C29 ,30			CC73FCH1H330J	CHIP C 33PF J		
C31 -35			CK73EB1E104K	CHIP C 0.10UF K		
C36 ,37			C92-0037-05	ELECTRO 10UF 16WV		
C38			CK73EB1H102K	CHIP C 1000PF K		
C40		*	CK73FB1E473KTA	CHIP C 0.047UF K		
C41			CC73FCH1H330J	CHIP C 33PF J		
C42			CC73FCH1H220J	CHIP C 22PF J		
C45			C92-0012-05	TANTAL 22UF 6.3WV		
C47			C92-0023-05	ELECTRO 1UF 50WV		
C48			C92-0040-05	ELECTRO 47UF 16WV		
C55		*	CK73FB1E473KTA	CHIP C 0.047UF K		
C60 ,61		*	CK73FB1E473KTA	CHIP C 0.047UF K		
C65		*	CK73FB1E473KTA	CHIP C 0.047UF K		
C101,102			CK73FB1H221K	CHIP C 220PF K		
C103-106			CC73FCH1H151J	CHIP C 150PF J		
C107-110			CK73FB1H221K	CHIP C 220PF K		
C111,112			C92-0037-05	ELECTRO 10UF 16WV		
C113,114			CK73FB1H182K	CHIP C 1800PF K		

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C115			C92-0037-05	ELECTRO 10UF 16WV		
C116		*	C92-1019-05	ELECTRO 4.7UF 16WV		
C117		*	C92-1020-05	ELECTRO 10UF 6.3WV		
C118			CK73EB1E104K	CHIP C 0.10UF K		
C120		*	CK73FB1E473KTA	CHIP C 0.047UF K		
L1			L33-0916-05	SMALL FIXED INDUCTOR		
L2		*	L33-0935-05	SMALL FIXED INDUCTOR		
L3 ,4			L33-0916-05	SMALL FIXED INDUCTOR		
X1			L78-0505-05	RESONATOR		
X2			L77-2011-05	CRYSTAL RESONATOR(16.9344MHZ)		
R1			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R2			RK73EB2B100J	CHIP R 10 J 1/8W		
R4			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R5			RK73FB2A183J	CHIP R 18K J 1/10W		
R6			RK73FB2A910J	CHIP R 91 J 1/10W		
R7			RK73FB2A241J	CHIP R 240 J 1/10W		
R8			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R9			RK73FB2A134J	CHIP R 130K J 1/10W		
R10			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R11			RK73FB2A123J	CHIP R 12K J 1/10W		
R12			RK73FB2A223J	CHIP R 22K J 1/10W		
R13 ,14			RK73FB2A123J	CHIP R 12K J 1/10W		
R15			RK73FB2A101J	CHIP R 100 J 1/10W		
R16			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R17			RK73FB2A153J	CHIP R 15K J 1/10W		
R18			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R19			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R20			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R21			RK73FB2A155J	CHIP R 1.5M J 1/10W		
R22			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R23			RK73FB2A103J	CHIP R 10K J 1/10W		
R24 ,25			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R26 ,27			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R28			RK73FB2A333J	CHIP R 33K J 1/10W		
R29 ,30			RK73FB2A473J	CHIP R 47K J 1/10W		
R32			RK73FB2A393J	CHIP R 39K J 1/10W		
R33			RK73FB2A473J	CHIP R 47K J 1/10W		
R34			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R35			RK73FB2A221J	CHIP R 220 J 1/10W		
R36			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R37			RK73FB2A474J	CHIP R 470K J 1/10W		
R38 ,39			RK73FB2A103J	CHIP R 10K J 1/10W		
R40			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R41			RK73FB2A103J	CHIP R 10K J 1/10W		
R42			RK73FB2A104J	CHIP R 100K J 1/10W		
R43			RK73FB2A224J	CHIP R 220K J 1/10W		
R44			RK73FB2A123J	CHIP R 12K J 1/10W		
R45			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R46			RK73FB2A183J	CHIP R 18K J 1/10W		
R47			RK73FB2A393J	CHIP R 39K J 1/10W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R49			RK73EB2B331J	CHIP R 330 J 1/8W		
R50			RK73FB2A473J	CHIP R 47K J 1/10W		
R51			RK73FB2A224J	CHIP R 220K J 1/10W		
R52			RK73FB2A225J	CHIP R 2.2M J 1/10W		

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R53			RK73FB2A333J	CHIP R 33K J 1/10W		
R58			RK73FB2A331J	CHIP R 330 J 1/10W		
R59			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R61			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R62			RK73FB2A103J	CHIP R 10K J 1/10W		
R63			RK73FB2A100J	CHIP R 10 J 1/10W		
R65 -67			RK73FB2A100J	CHIP R 10 J 1/10W		
R68			RK73EB2B100J	CHIP R 10 J 1/8W		
R69			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R70			RK73EB2B332J	CHIP R 3.3K J 1/8W		
R71 -73			RK73FB2A223J	CHIP R 22K J 1/10W		
R74			RK73EB2B223J	CHIP R 22K J 1/8W		
R75 -77			RK73FB2A223J	CHIP R 22K J 1/10W		
R78			RK73FB2A103J	CHIP R 10K J 1/10W		
R79			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R80			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R81			RK73FB2A223J	CHIP R 22K J 1/10W		
R82			RK73FB2A104J	CHIP R 100K J 1/10W		
R83			RK73EB2B104J	CHIP R 100K J 1/8W		
R84 ,85			RK73FB2A104J	CHIP R 100K J 1/10W		
R90			RK73EB2B103J	CHIP R 10K J 1/8W		
R91			RK73FB2A333J	CHIP R 33K J 1/10W		
R92			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R101-108			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R109-112			RK73FB2A123J	CHIP R 12K J 1/10W		
R113-116			RK73FB2A103J	CHIP R 10K J 1/10W		
R117-120			RK73FB2A512J	CHIP R 5.1K J 1/10W		
R121,122			RK73FB2A681J	CHIP R 680 J 1/10W		
R123,124			RK73FB2A104J	CHIP R 100K J 1/10W		
R125,126			RK73FB2A103J	CHIP R 10K J 1/10W		
R127			RK73FB2A561J	CHIP R 560 J 1/10W		
R128			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R130			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R131			RK73FB2A123J	CHIP R 12K J 1/10W		
VR1			R12-6423-05	TRIM POT. 10K		
VR2			R12-6429-05	TRIMMING POT.(100K)		
W1 -12			R92-2052-05	JUMPER WIRE (RESISTOR TYPE)		
W14			R92-2052-05	JUMPER WIRE (RESISTOR TYPE)		
W21 -41			R92-2053-05	JUMPER WIRE (RESISTOR TYPE)		
D2			MA8062	ZENER DIODE		
D3			MA110	DIODE		
D4		*	MA8091	ZENER DIODE		
D5			MA110	DIODE		
IC1		*	TA8191F	IC		
IC2		*	TC9236F	IC		
IC3 ,4		*	TA8192F	IC		
IC5			TA7291F	IC		
IC6		*	75P008GB-0B1-3B	IC		
IC7		*	TC9237F	IC		
IC8 -10			NJM4580E	IC		
IC11			TA78L05F	IC(VOLTAGE REGULATOR/ +5V)		
IC12			TC7SU04F	IC		
IC13			TC74HC74AF	IC(DUAL D-TYPE FLIP FLOP)		
Q1			2SB624(BV3)	TRANSISTOR		

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Q2			2SA1037K	TRANSISTOR		
Q3			DTC124EK	DIGITAL TRANSISTOR		
Q4			DTC114TK	DIGITAL TRANSISTOR		
Q5			DTA124EK	DIGITAL TRANSISTOR		
Q6			2SC2412K	TRANSISTOR		
Q8			2SD1624	TRANSISTOR		
Q9			2SA1037K	TRANSISTOR		
Q10			2SC2412K	TRANSISTOR		
Q11			DTC114TK	DIGITAL TRANSISTOR		
Q12			DTC124EK	DIGITAL TRANSISTOR		
Q13			2SA1036K	TRANSISTOR		
Q14			2SD1624	TRANSISTOR		
Q15			DTA124EK	DIGITAL TRANSISTOR		
Q16 ,17			2SD1757K	TRANSISTOR		
Q18			DTC124EK	DIGITAL TRANSISTOR		
TH1		*	NT732BTD33K	THERMISTOR		
DAUGHTER UNIT (X89-1222-71)						
C1			CK73FB1H223KTA	CHIP C 0.022UF K		
C2			CE04NW1HR47M	ELECTRO 0.47UF 50WV		
C3			CK73EB1H223K	CHIP C 0.022UF K		
C4 ,5			CK73FB1H223KTA	CHIP C 0.022UF K		
C6			CK73FB1H472K	CHIP C 4700PF K		
C7			CK73FB1H223KTA	CHIP C 0.022UF K		
C8			CK73EB1H472K	CHIP C 4700PF K		
C9			CK73FB1H223KTA	CHIP C 0.022UF K		
C10			CE04NW1C100M	ELECTRO 10UF 16WV		
C11			CK73EB1H473K	CHIP C 0.047UF K		
C12			CE04NW1C100M	ELECTRO 10UF 16WV		
C13			C92-0004-05	ELECTRO 1.0UF 16WV		
C14			CK73EB1H333K	CHIP C 0.033UF K		
C15			C92-0002-05	CHIP TAN 0.22UF 35WV		
C16			CE04NW1C100M	ELECTRO 10UF 16WV		
C18			CK73FB1H471K	CHIP C 470PF K		
C19			C92-0001-05	CHIP TAN 0.1UF 35WV		
C20			C92-0004-05	ELECTRO 1.0UF 16WV		
C21			C92-0003-05	CHIP TAN 0.47UF 25WV		
C22			CK73EB1H473K	CHIP C 0.047UF K		
C23			CK73EB1H223K	CHIP C 0.022UF K		
C24			CK73FB1H223KTA	CHIP C 0.022UF K		
C25			CK73FB1H222K	CHIP C 2200PF K		
C26			CE04NW1C100M	ELECTRO 10UF 16WV		
C27 ,28			CK73EB1H473K	CHIP C 0.047UF K		
C29			CE04NW1C100M	ELECTRO 10UF 16WV		
C30			CK73FB1H221K	CHIP C 220PF K		
C31			CE04NW1H010M	ELECTOR 1.0UF 50WV		
C32			CE04NW1H0R1M	ELECTRO 0.1UF 50WV		
C33			CK73EB1H223K	CHIP C 0.022UF K		
C34			CC73FCH1H220J	CHIP C 22PF J		
C35			CK73EB1E104K	CHIP C 0.10UF K		
C36		*	C92-0514-05	CHIP TAN 2.2UF 10WV		
C37			CE04NW1A101M	ELECTRO 100UF 10WV		
CF1 ,2			L72-0524-05	CERAMIC FILTER		
L1			L40-4791-16	SMALL FIXED INDUCTOR(4.7UH,K)		
L2		*	L33-0937-05	SMALL FIXED INDUCTOR		

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T1		*	L30-0711-05	FM IFT		
X1			L78-0506-05	RESONATOR		
R1			RK73FB2A100J	CHIP R 10 J 1/10W		
R2			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R3			RK73FB2A223J	CHIP R 22K J 1/10W		
R4			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R5			RK73EB2B100J	CHIP R 10 J 1/8W		
R6			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R7			RK73FB2A561J	CHIP R 560 J 1/10W		
R8			RK73FB2A331J	CHIP R 330 J 1/10W		
R9			RK73FB2A270J	CHIP R 27 J 1/10W		
R10			RK73FB2A271J	CHIP R 270 J 1/10W		
R11			RK73FB2A331J	CHIP R 330 J 1/10W		
R12 ,13			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R14			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R15 ,16			RK73FB2A103J	CHIP R 10K J 1/10W		
R17			RK73FB2A223J	CHIP R 22K J 1/10W		
R18			RK73FB2A683J	CHIP R 68K J 1/10W		
R19			RK73FB2A912J	CHIP R 9.1K J 1/10W		
R20 ,21			RK73FB2A103J	CHIP R 10K J 1/10W		
R22			RK73FB2A273J	CHIP R 27K J 1/10W		
R23			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R24			RK73FB2A153J	CHIP R 15K J 1/10W		
R25			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R26			RK73FB2A751J	CHIP R 750 J 1/10W		
R27			RK73FB2A103J	CHIP R 10K J 1/10W		
R28			RK73FB2A563J	CHIP R 56K J 1/10W		
R29			RK73FB2A100J	CHIP R 10 J 1/10W		
R30			RK73FB2A102J	CHIP R 1.0K J 1/10W		
VR1 ,2		*	R12-3685-05	TRIMMING POT.(10K ﾌﾁ)		
VR3			R12-3100-05	TRIMMING POT.(10K ﾀﾃ)		
W1 -3			R92-2053-05	JUMPER WIRE (RESISTOR TYPE)		
D1			MA110	DIODE		
IC1			KKC02	IC(IF,NC/MPX)		
Q1			DTC124EK	DIGITAL TRANSISTOR		
Q2			2SC2413K	TRANSISTOR		
Q3			DTC124EK	DIGITAL TRANSISTOR		
Q4			DTA124EK	DIGITAL TRANSISTOR		
Q5 ,6			2SC2412K	TRANSISTOR		
Q7			DTC124EK	DIGITAL TRANSISTOR		
		*	W02-1289-05	FM/AM FRONT-END		
DAUGHTER UNIT (X89-1230-11)						
CN1		*	E58-0802-05	RECTANGULAR RECEPTACLE		
-			N80-2005-46	PAN HEAD TAPTITE SCREW		
S1		*	S31-2651-05	SLIDE SWITCH		
MECHANISM ASSY (X92-1460-03)						
1	2D	*	A10-2019-43	CHASSIS CALKING ASSY		
2	3A	*	A10-2037-62	CHASSIS CALKING ASSY		
3	1C	*	A10-2039-63	CHASSIS CALKING ASSY		
		*	D10-2573-04	LEVER		
6	3C		D10-2546-04	ROD		

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7	2A	*	D10-2552-14	ARM ASSY		
8	2A	*	D10-2554-14	LEVER		
10	2D	*	D10-2559-24	LEVER ASSY		
11	1D		D10-2565-24	LEVER ASSY		
12	1D	*	D10-2568-24	LEVER		
13	1D	*	D10-2570-14	LEVER		
14	3B		D10-2571-24	LEVER ASSY		
15	3B	*	D10-2574-24	LEVER ASSY		
16	2A		D10-2576-23	LEVER ASSY		
17	3A		D10-2578-24	LEVER ASSY		
18	3A		D10-2581-24	LEVER ASSY		
19	3A		D10-2583-14	LEVER		
20	2B		D10-2584-24	LEVER ASSY		
21	1D	*	D10-2586-44	SLIDER ASSY		
22	3A	*	D12-0601-23	CAM		
23	2B		D12-0602-23	CAM		
24	2C	*	D13-1029-24	GEAR		
25	2C	*	D13-1030-14	GEAR		
26	3D		D13-1032-24	GEAR ASSY		
27	2A	*	D13-1033-44	GEAR ASSY		
28	2A		D13-1036-04	GEAR		
29	2A	*	D13-1037-33	LACK (GEAR)		
30	2A		D13-1038-04	GEAR		
31	2B	*	D13-1039-14	WORM		
32	1A		D13-1041-04	GEAR		
33	1A		D13-1042-24	GEAR		
34	1A		D13-1043-04	GEAR		
35	2A		D13-1044-14	GEAR		
36	1A		D14-0608-04	ROLLER		
37	1C		D14-0609-14	ROLLER		
38	2A	*	D14-0610-03	ROLLER		
39	2B		D23-0905-14	RETAINER		
40	1D		E31-8116-15	WIRING HARNESS		
40A	3D	*	F31-0704-04	REINFORCING HARDWARE		
41	1C		G01-2526-04	TORSION COIL SPRING		
42	1B	*	G01-2531-14	EXTENSION SPRING		
43	2B	*	G01-2532-24	EXTENSION SPRING		
44	1D	*	G01-2533-14	EXTENSION SPRING		
45	1C		G01-2534-14	EXTENSION SPRING		
46	3A		G01-2535-04	EXTENSION SPRING		
47	3C		G02-1111-24	FLAT SPRING		
48	3D	*	G02-1112-34	FLAT SPRING		
49	3C	*	G02-1129-04	FLAT SPRING		
50	3A		G02-1115-14	FLAT SPRING		
51	1C		G02-1116-14	FLAT SPRING		
52	1C		G02-1117-04	FLAT SPRING		
53	2A		G02-1120-14	FLAT SPRING		
54	2D	*	J02-1201-13	INSULATOR		
55	2C		J11-0601-23	CLAMPER		
56	2C	*	J19-4336-53	HOLDER ASSY		
57	3D	*	J19-4338-34	HOLDER		
58	3D	*	J19-4339-33	HOLDER		

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KDC-74D

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59	3C	*	J19-4340-23	HOLDER		
60	1A	*	J19-4349-33	HOLDER		
61	2D		J19-4350-03	HOLDER		
62	3A	*	J21-7102-34	MOUNTING HARDWARE ASSY		
63	2B	*	J21-7104-54	MOUNTING HARDWARE ASSY		
64	2A		J21-7106-24	MOUNTING HARDWARE ASSY		
65	2A		J21-7109-23	MOUNTING HARDWARE		
66	1A		J21-7110-13	MOUNTING HARDWARE		
68	1C	*	J90-0706-34	GUIDE		
69	1A		J90-0707-22	GUIDE		
-		*	N19-2026-04	FLAT WASHER		
-		*	N19-2028-04	FLAT WASHER		
-			N29-0205-04	RETAINING RING (1.5)		
-			N35-2005-46	BINDING HEAD MACHIN SCREW		
A	1C		N19-2022-04	FLAT WASHER		
B	1D		N19-2023-04	FLAT WASHER		
C	1C		N39-2025-46	PAN HEAD MACHIN SCREW		
D	3C		N39-2020-46	PAN HEAD MACHIN SCREW		
E	2C		N09-4023-05	MACHINE SCREW (M2X3)		
F	1A	*	N09-4043-05	MACHINE SCREW		
G	1A		N80-2004-46	PAN HEAD TAPTITE SCREW		
H	2C		N09-1299-05	SEMS (MACHINE SCREW)(M2X4)		
J	2C		N80-2008-46	PAN HEAD TAPTITE SCREW		
K	3D		N09-1890-05	TAPTITE SCREW (1.7X3.5)		
L	1A		N19-0891-04	FLAT WASHER		
M	2A		N19-2007-04	FLAT WASHER		
N	2A		N19-2021-04	FLAT WASHER		
P			N19-2025-04	FLAT WASHER		
Q	1C		N39-1720-46	PAN HEAD MACHIN SCREW		
R			N39-1728-46	PAN HEAD MACHIN SCREW		
S			N39-1740-46	PAN HEAD MACHIN SCREW		
U	3D	*	N39-1718-46	PAN HEAD MACHIN SCREW		
S1	1D		S40-1112-05	PUSH SWITCH		
M1	3C	*	T42-0715-24	MOTOR ASSY		
M2,3	2B		T42-0704-15	DC MOTOR		
PU1	3D		T25-0201-05	OPTICAL PICKUP HEAD		
SL1	2A		T94-0403-05	MAGNETIC PLUNGER		
-			J84-0005-03	FLEXIBLE PRINTED WIRING		
-			J84-0006-03	FLEXIBLE PRINTED WIRING		
-			J84-0015-02	FLEXIBLE PRINTED WIRING (MAIN)		

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